lindQST

USER MANUAL

Version LindQST 2.0 - EMAR

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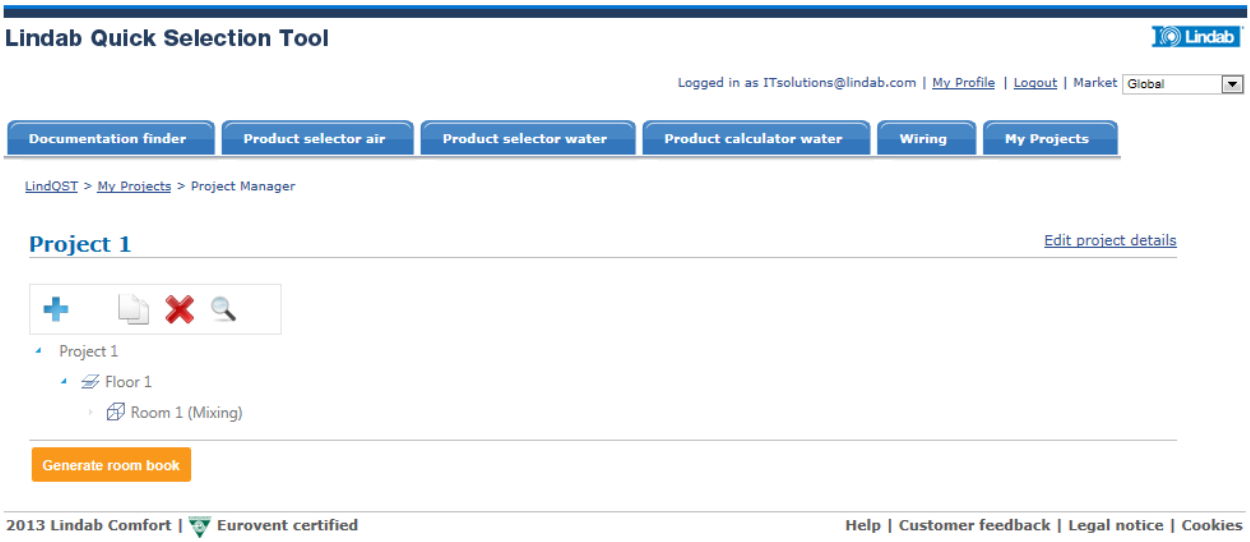


..... 143

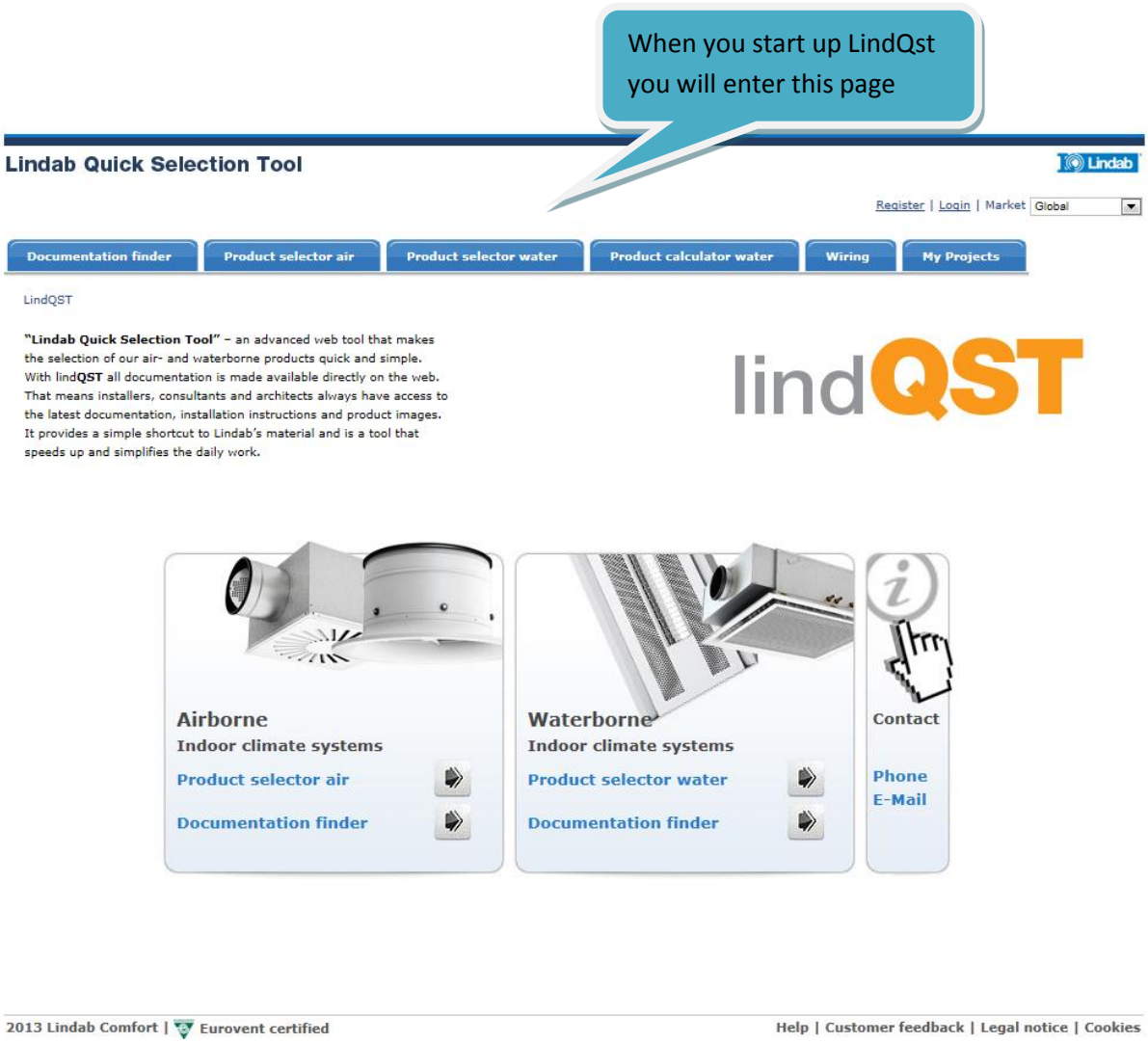
12 Wiring Schemes: 144

1 My Profile:

1.1 Create a profile:

Create a login so you are able to create a project and save it in LindQST

It will only be the user that has access to the profile and the information.


When you start up LindQst you will enter this page
Lindab Quick Selection Tool
Lindab
Register | Login | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
"Lindab Quick Selection Tool" – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab's material and is a tool that speeds up and simplifies the daily work.
lindQST
Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail
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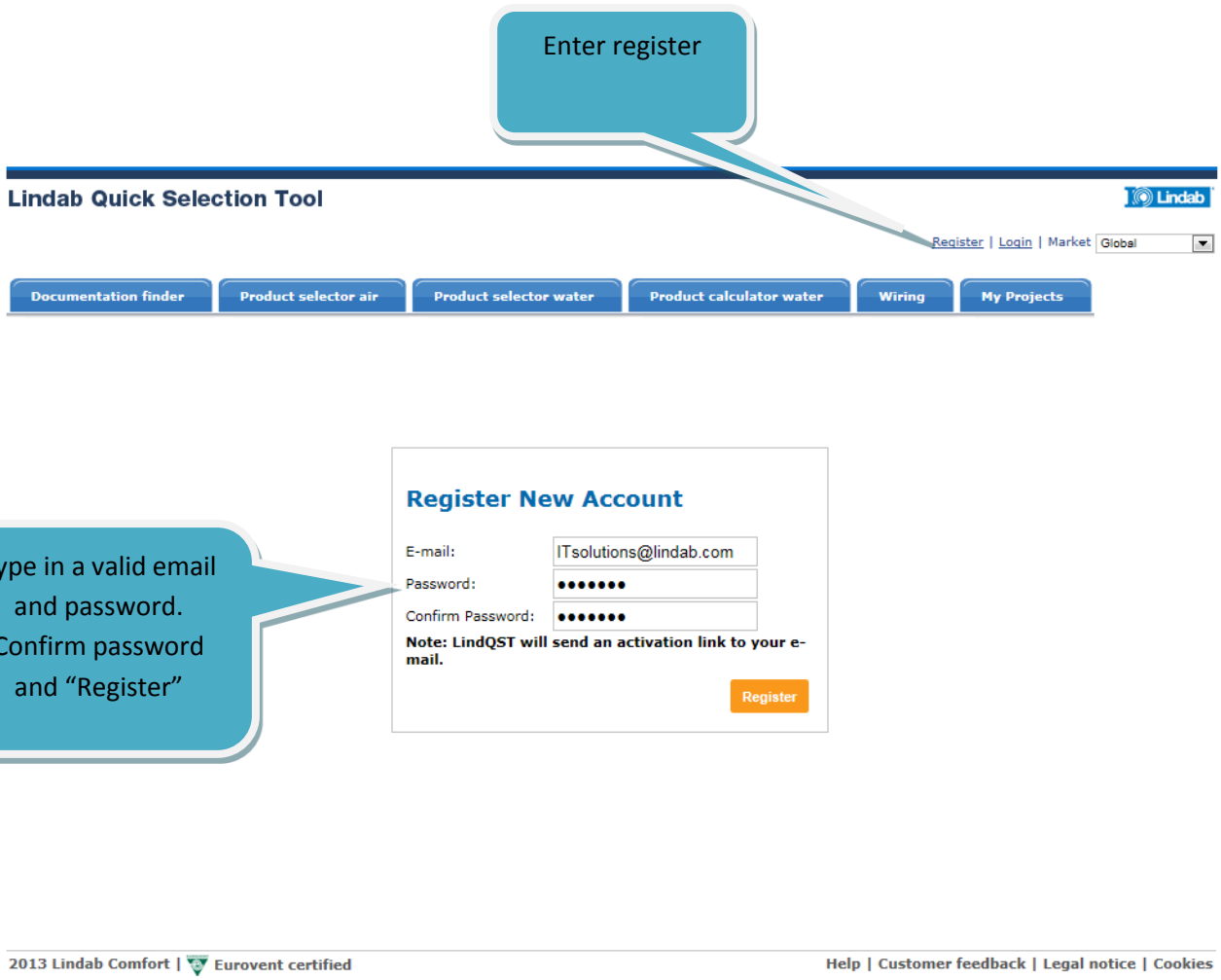
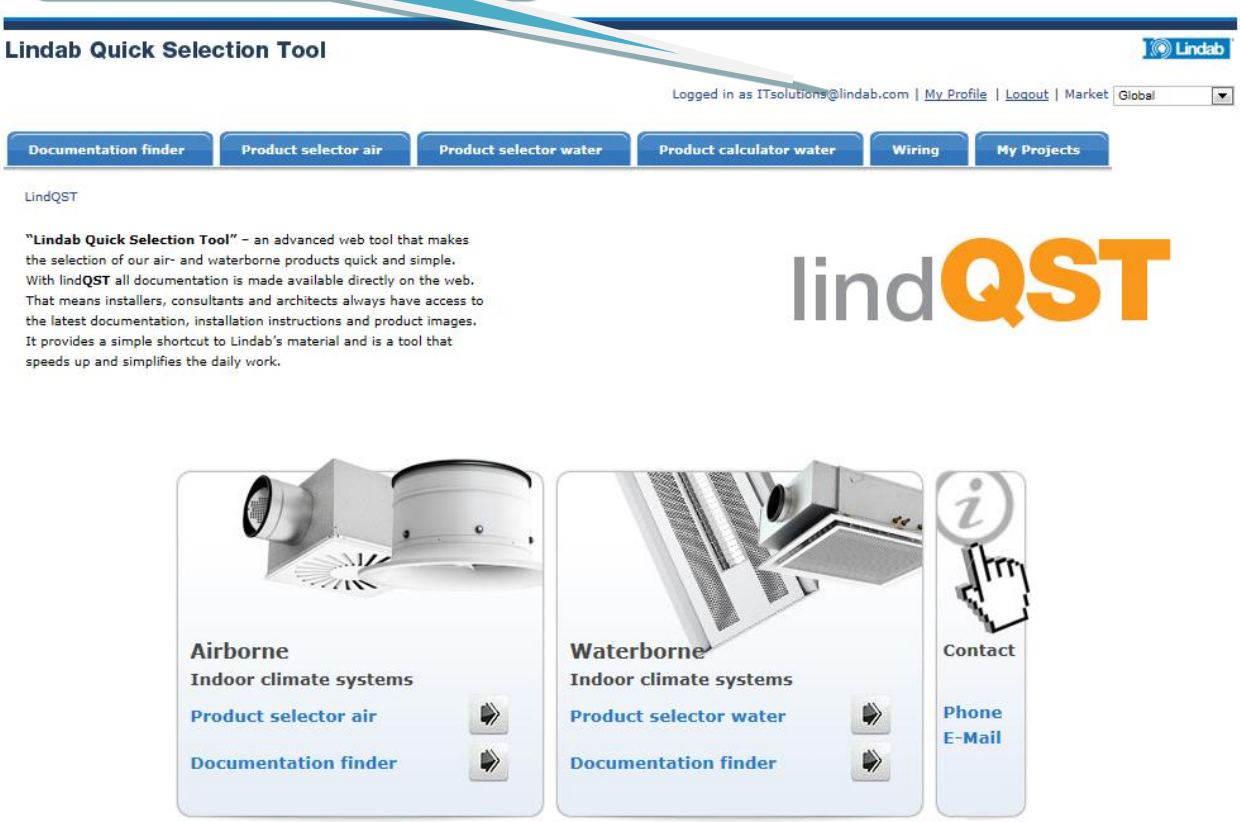
Help | Customer feedback | Legal notice | Cookies



A confirmation will be sent to your email.

From: no_reply@lindqst.com
Sent: Thu, 7 Feb 2013 09:52 +0100
To:
Subject: Welcome to lindQST!
Thank you for creating an account at lindqst.com
Please click the link to activate your account.
http://lindqst.lindab.com/ActivateUser.aspx?userName=ITsolutions@lindab.com
Enter the link to active account

Your account has now been activated


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
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Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail
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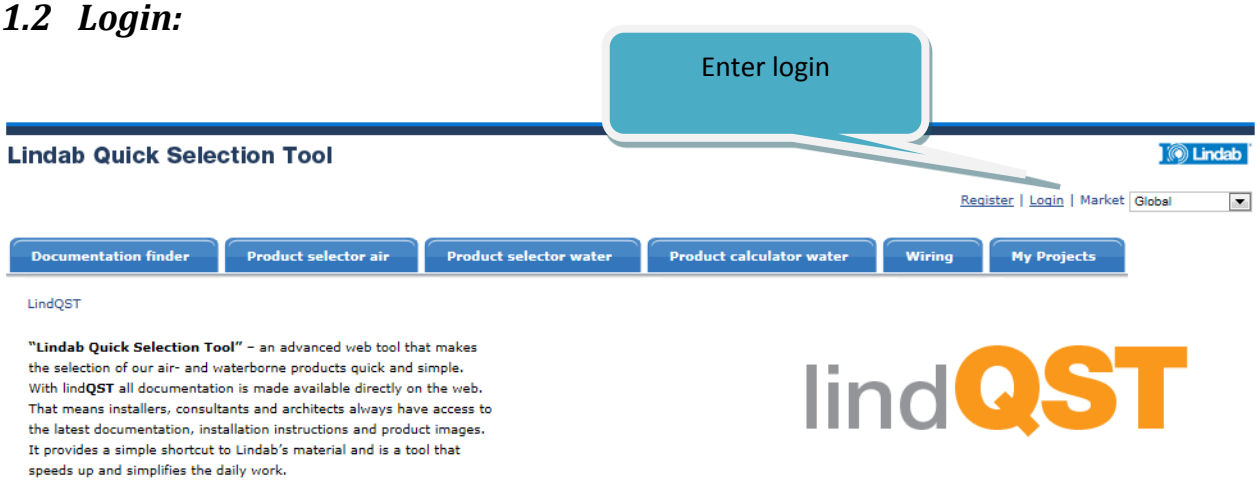
1.2 Login:


Enter login
Lindab Quick Selection Tool
Register | Login | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
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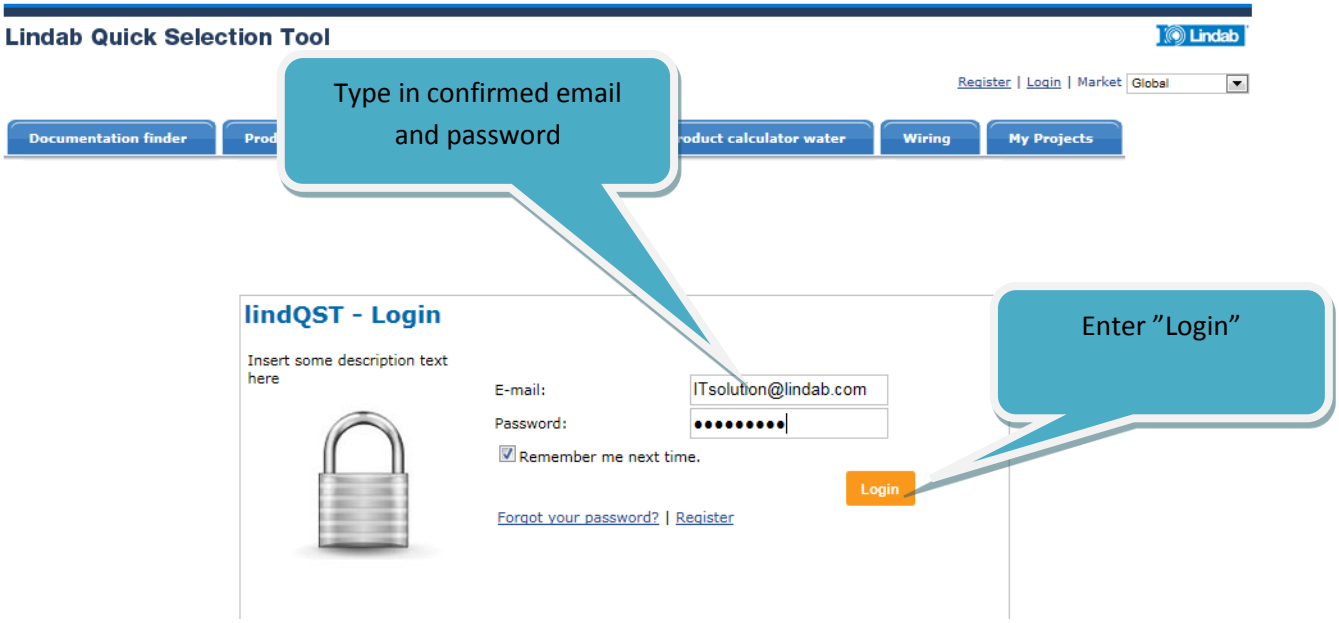
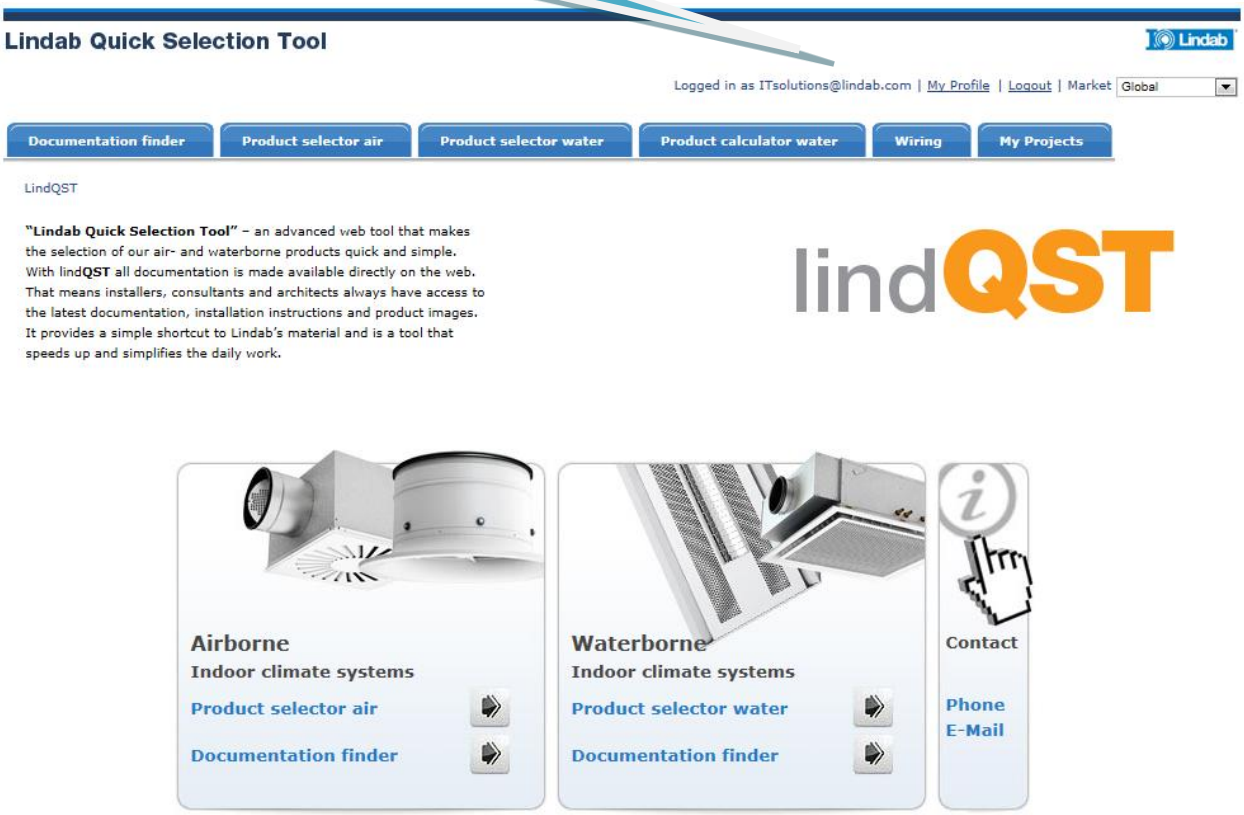

Lindab Quick Selection Tool
Register | Login | Market Global
Type in confirmed email and password
Enter "Login"
lindQST - Login
Insert some description text here
E-mail:
ITsolution@lindab.com
Password:
Remember me next time.
Login
Forgot your password? | Register

You are now logged in


Lindab Quick Selection Tool
Lindab
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
"Lindab Quick Selection Tool" – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab's material and is a tool that speeds up and simplifies the daily work.
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Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail
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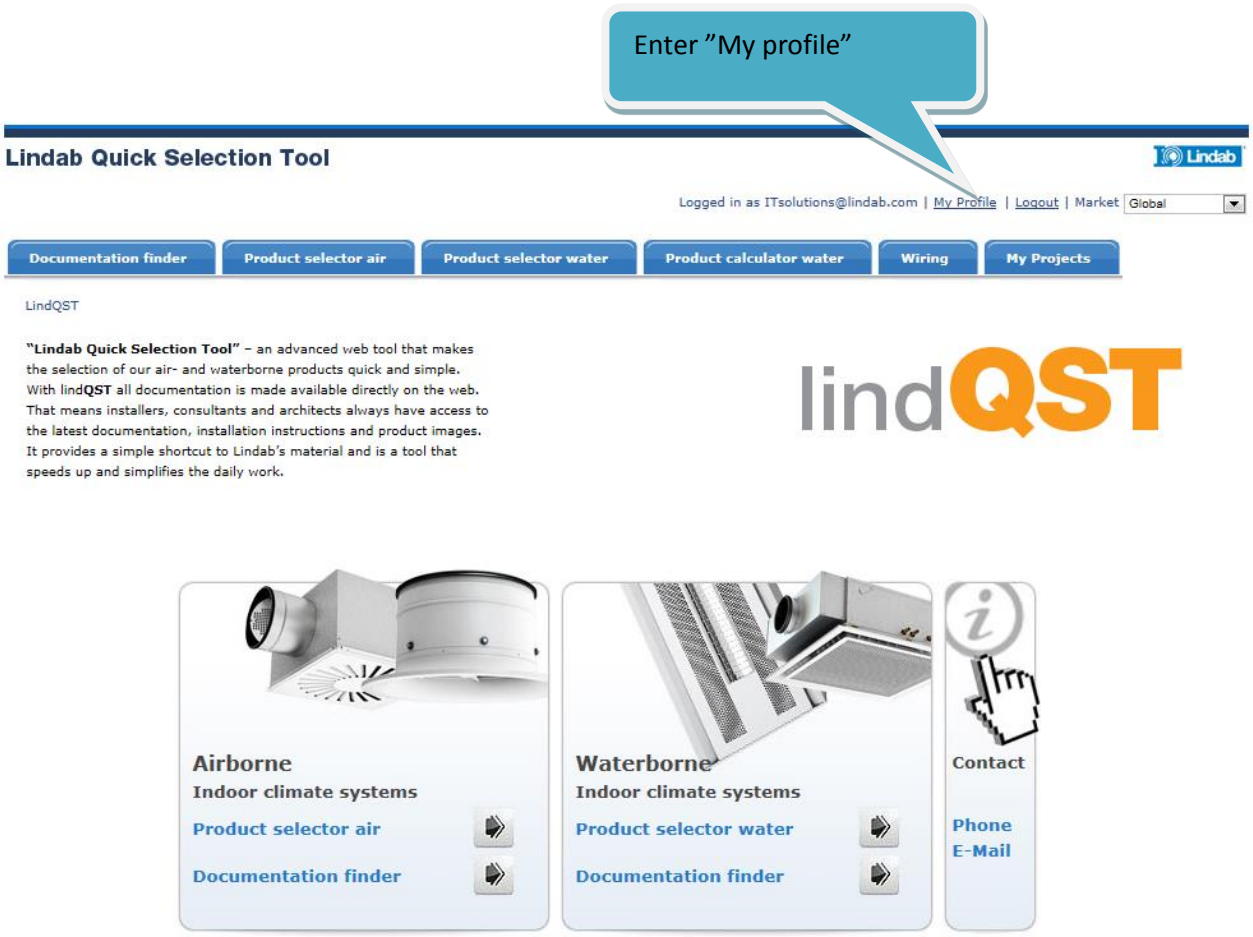
1.3 Edit password:


Enter ”My profile”
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
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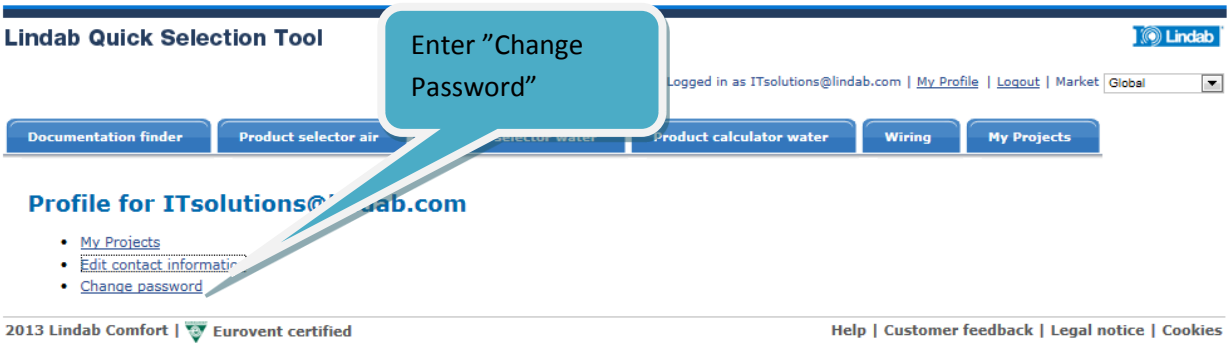
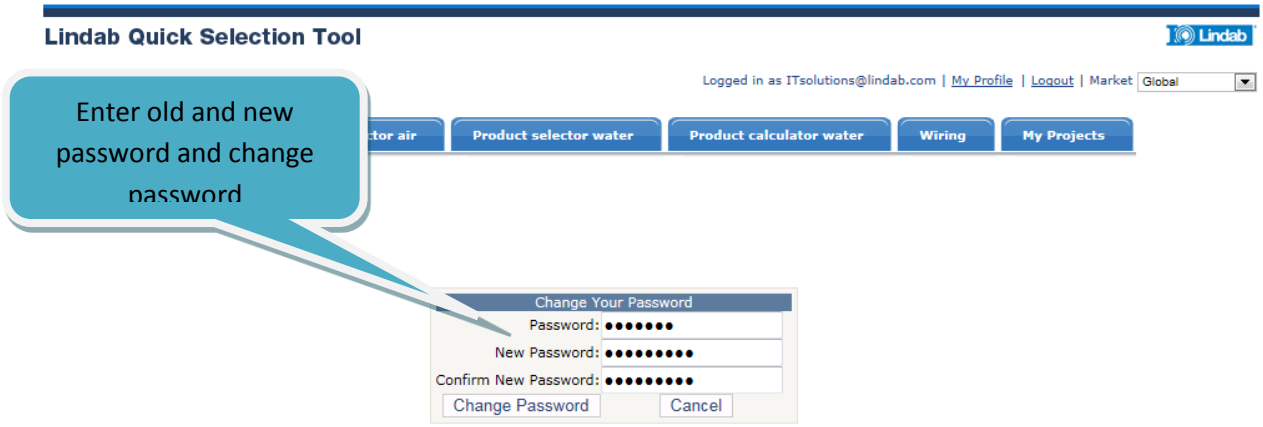
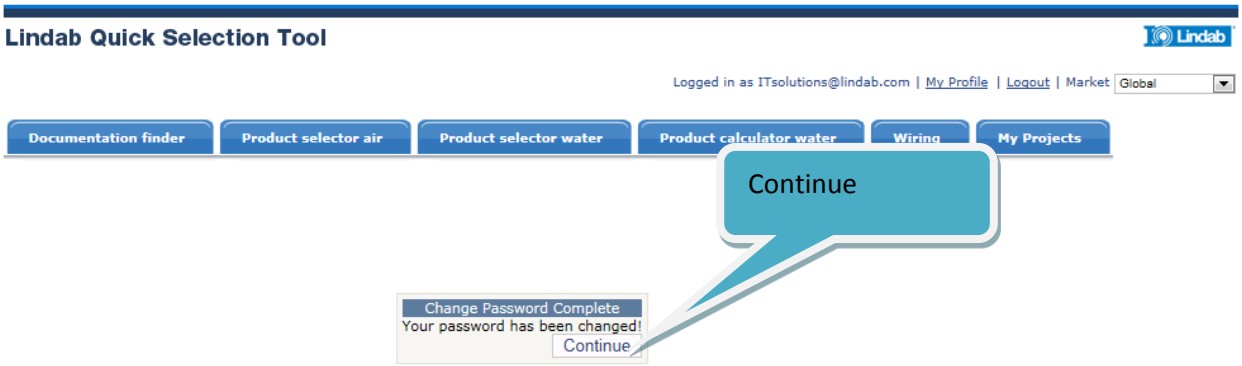
Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail

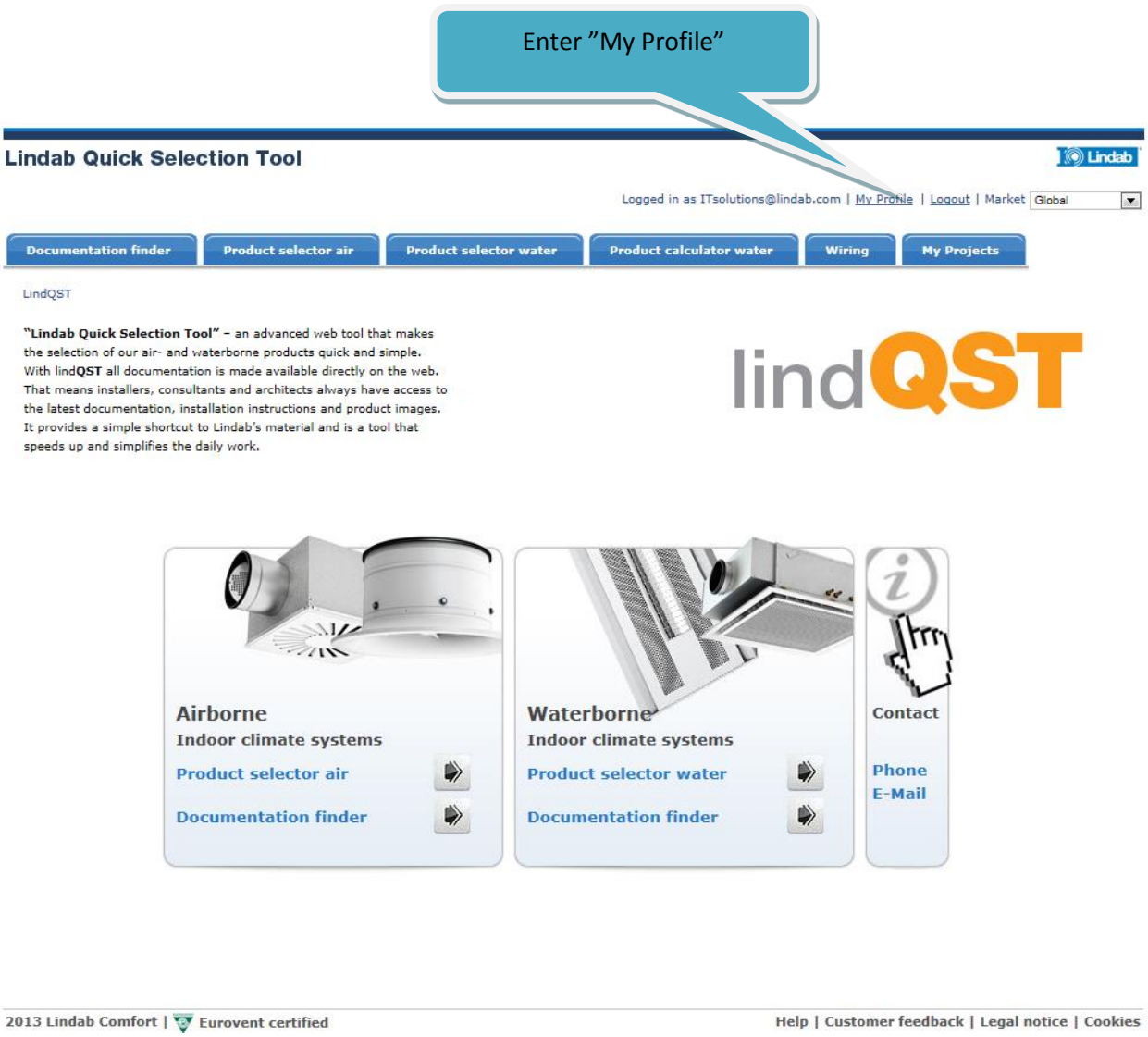






Password have now been changed

1.4 Edit profile:


Enter ”My Profile”
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
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Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail
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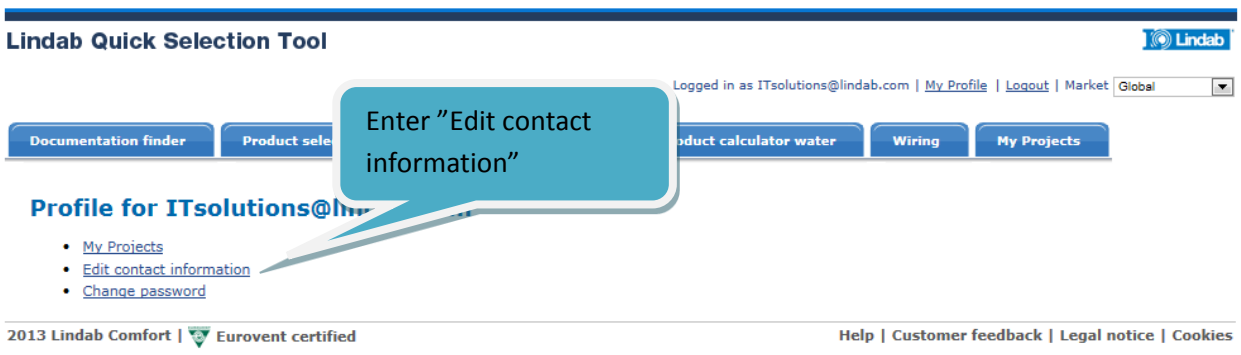
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Wiring
My Projects
Enter ”Edit contact information”
My Projects
Edit contact information
Change password
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Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
Profile information
Full name
Company
Country
Street
City
Zip code
Fax
Phone
Edit
Edit
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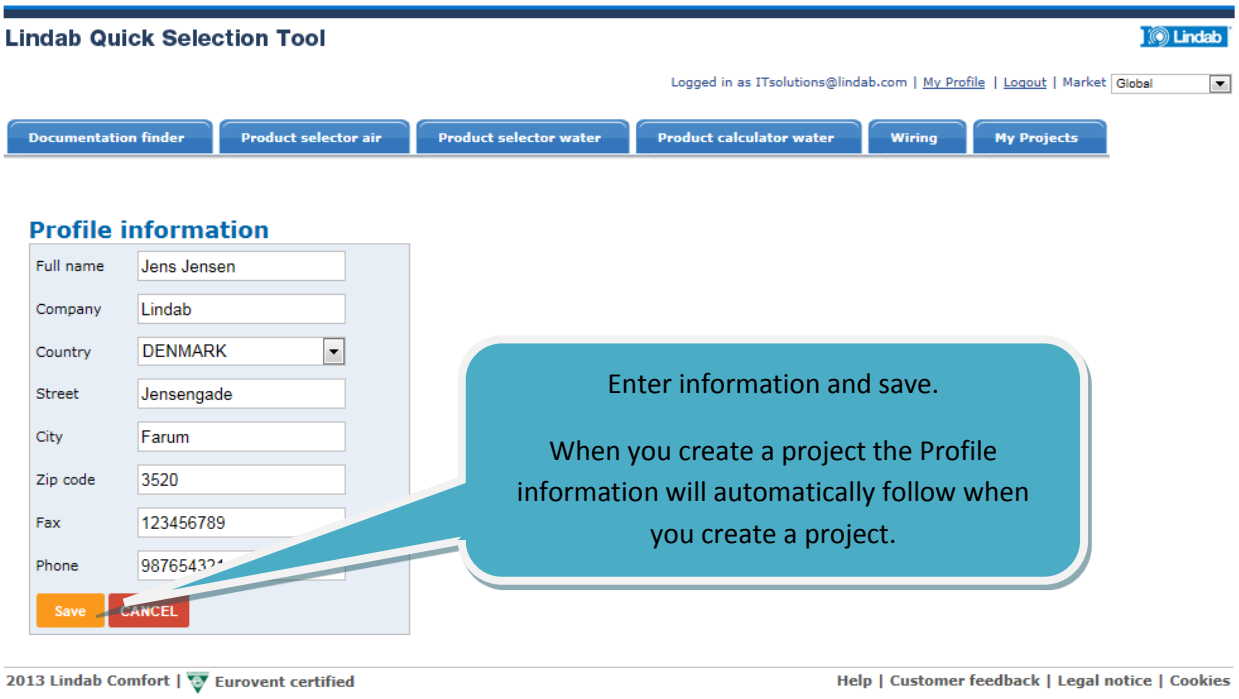
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
Profile information
Full name
Jens Jensen
Company
Lindab
Country
DENMARK
Street
Jensengade
City
Farum
Zip code
3520
Fax
123456789
Phone
Save
CANCEL
Enter information and save.
When you create a project the Profile information will automatically follow when you create a project.
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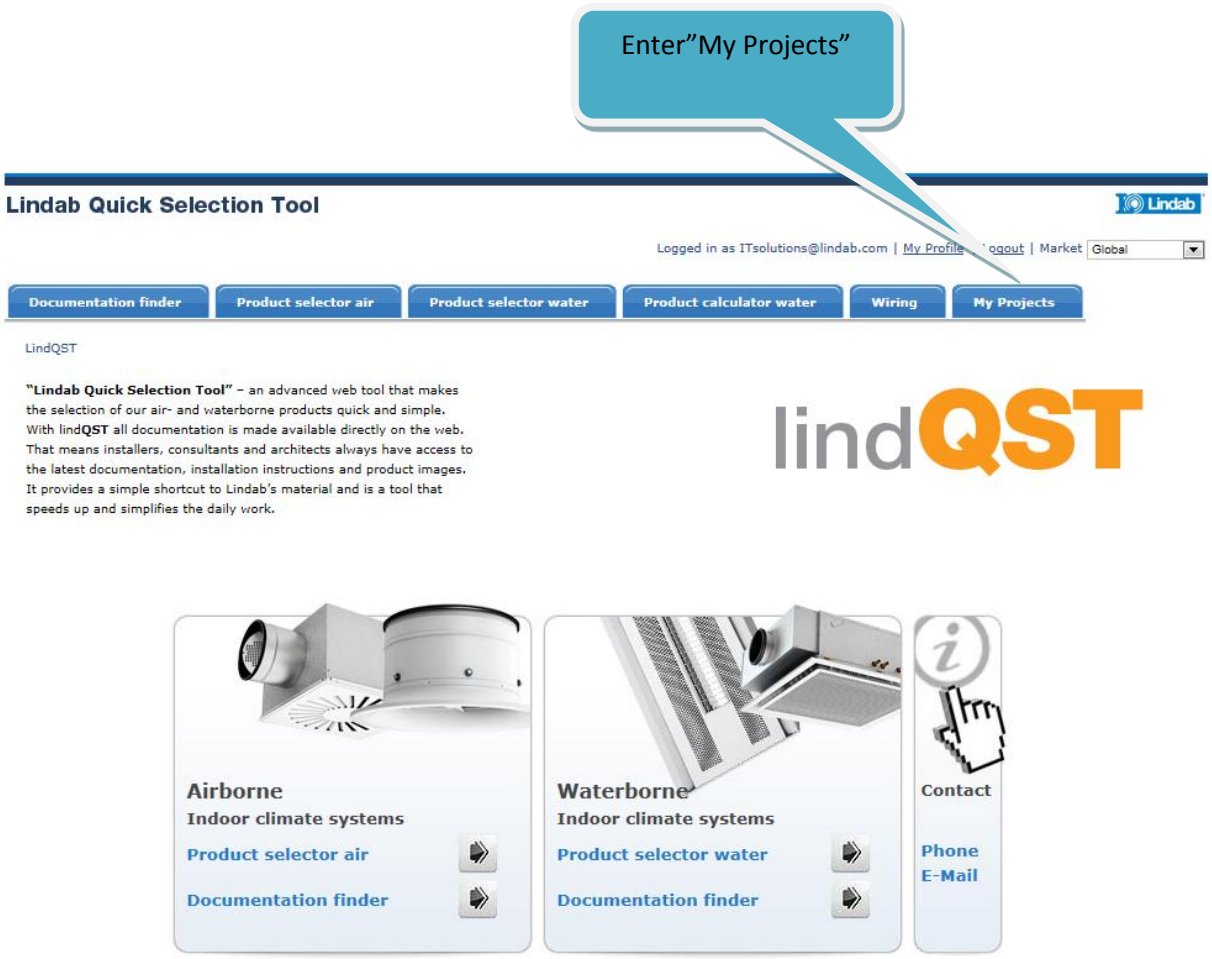
2 Project List:

2.1 Create a project:


Enter"My Projects"
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
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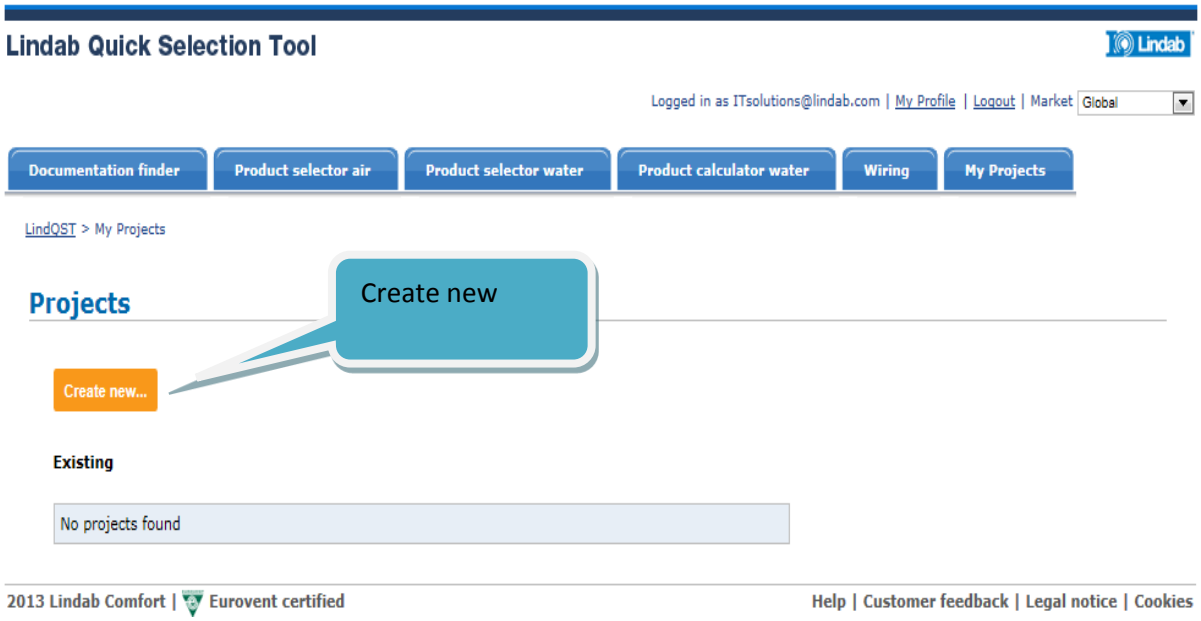
lindQST
Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new
Create new...
Existing
No projects found
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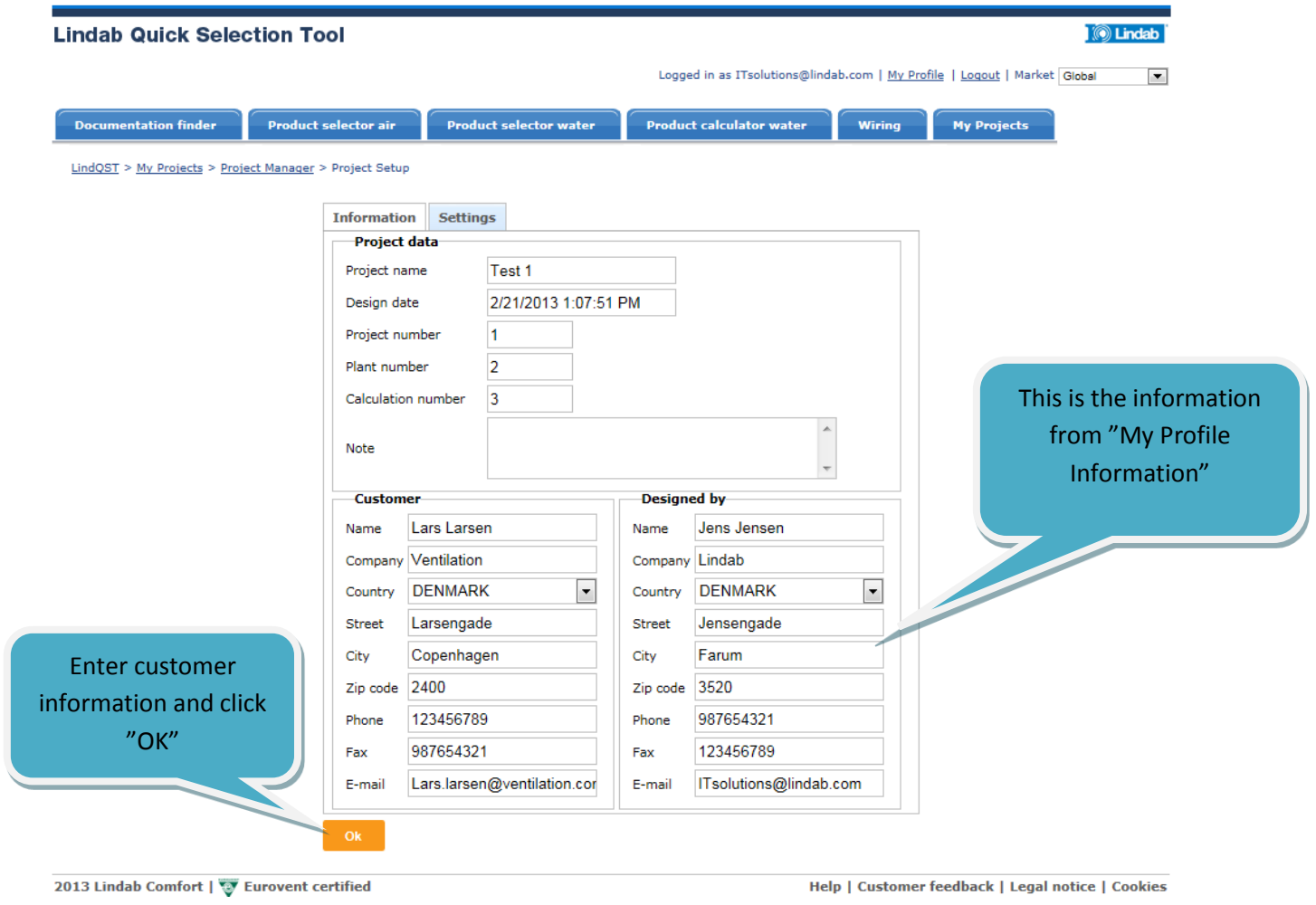
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Project Setup
Information
Settings
Project data
Project name Test 1
Design date 2/21/2013 1:07:51 PM
Project number 1
Plant number 2
Calculation number 3
Note
Customer
Name Lars Larsen
Company Ventilation
Country DENMARK
Street Larsengade
City Copenhagen
Zip code 2400
Phone 123456789
Fax 987654321
E-mail Lars.larsen@ventilation.cor
Designed by
Name Jens Jensen
Company Lindab
Country DENMARK
Street Jensengade
City Farum
Zip code 3520
Phone 987654321
Fax 123456789
E-mail ITsolutions@lindab.com
Ok
This is the information from ”My Profile Information”
Enter customer information and click ”OK”
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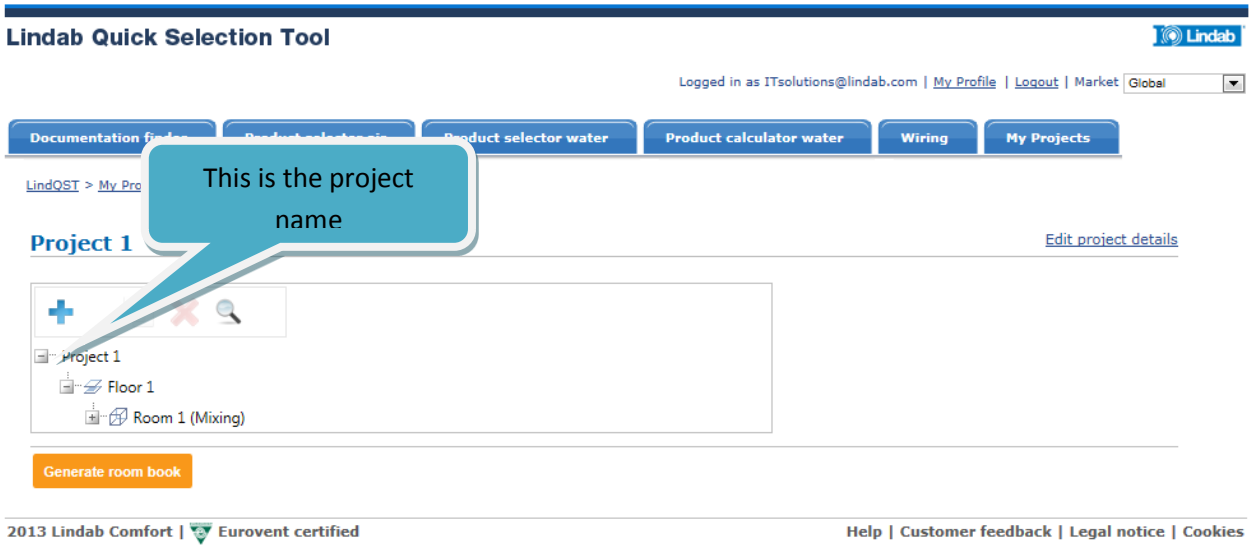
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Product selector water
Product calculator water
Wiring
My Projects
This is the project name
Project 1
Edit project details
Project 1
Floor 1
Room 1 (Mixing)
Generate room book
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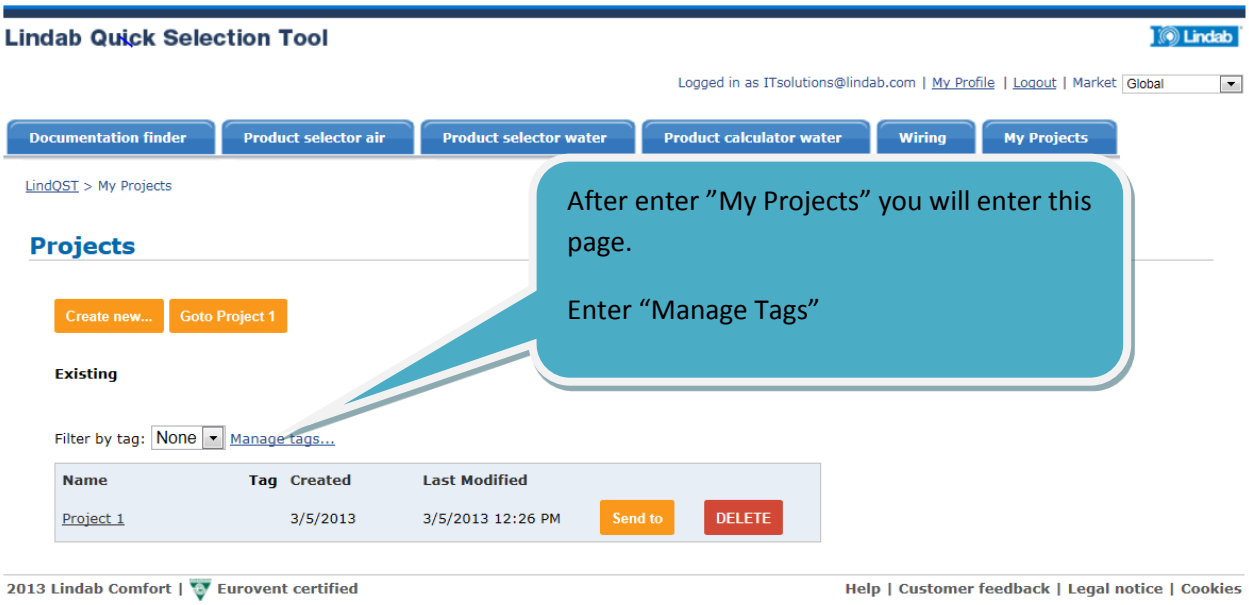
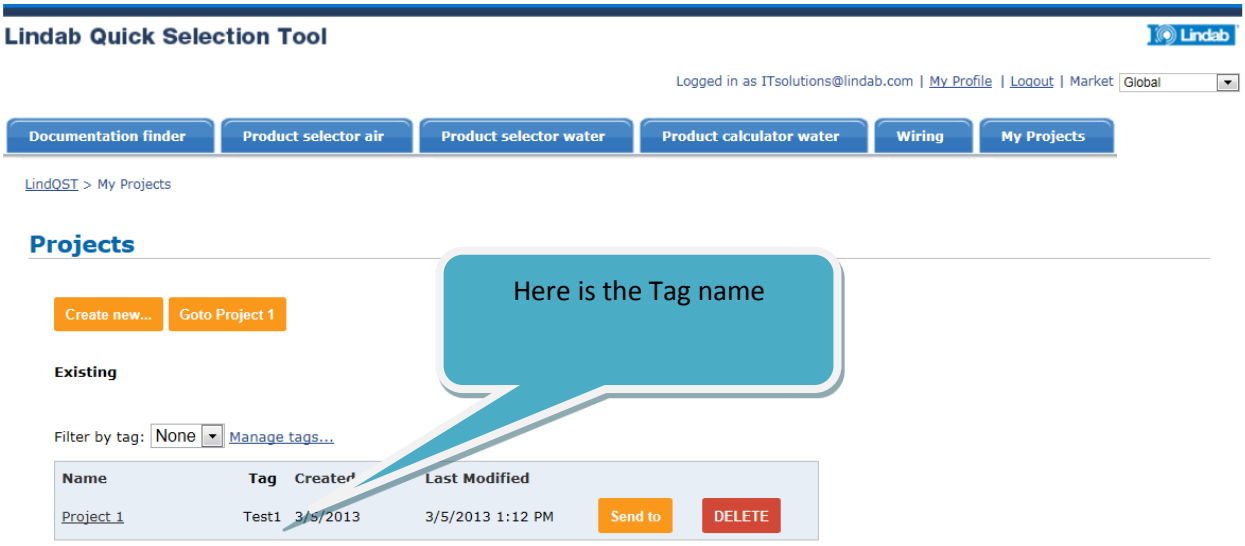
When you create a project automatically a floor and a room is added. Here you are able to Clone or/and add a new Floor and room.

2.2 *Sort projects:*

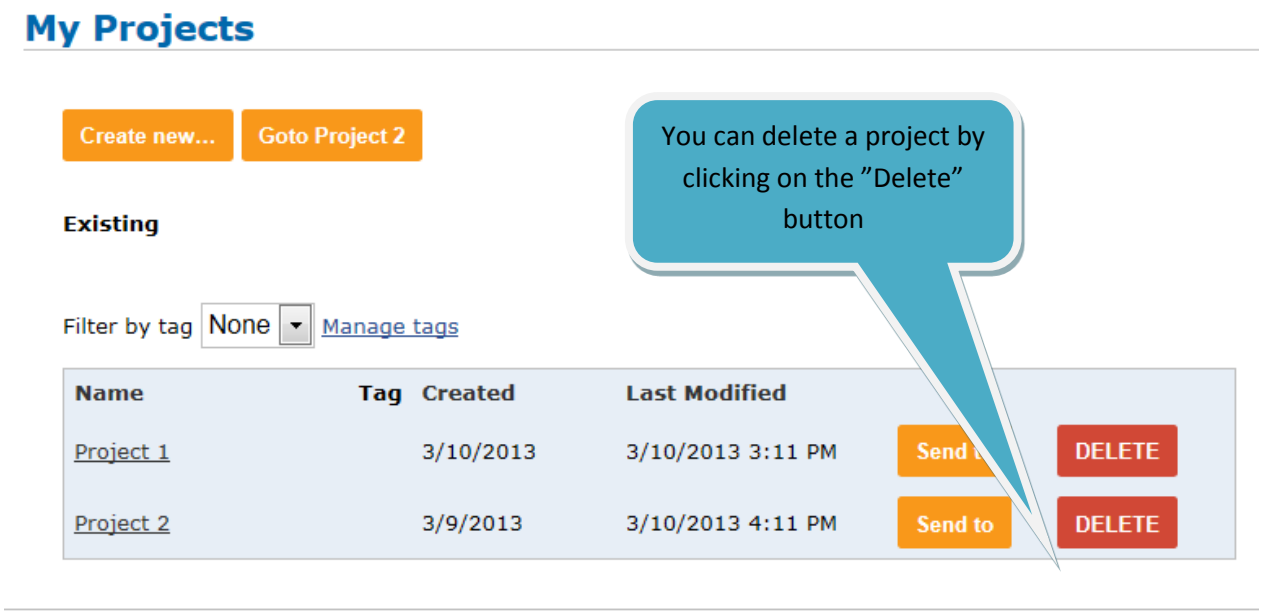
When you have more than one project you are able sort the projects by adding a Tag name.

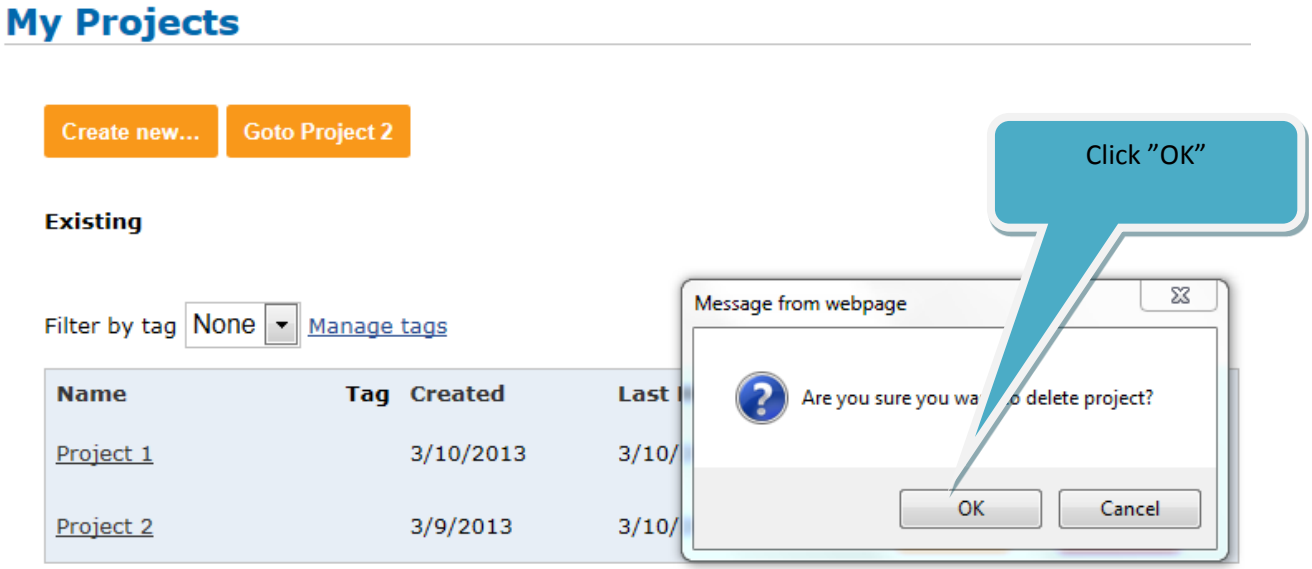


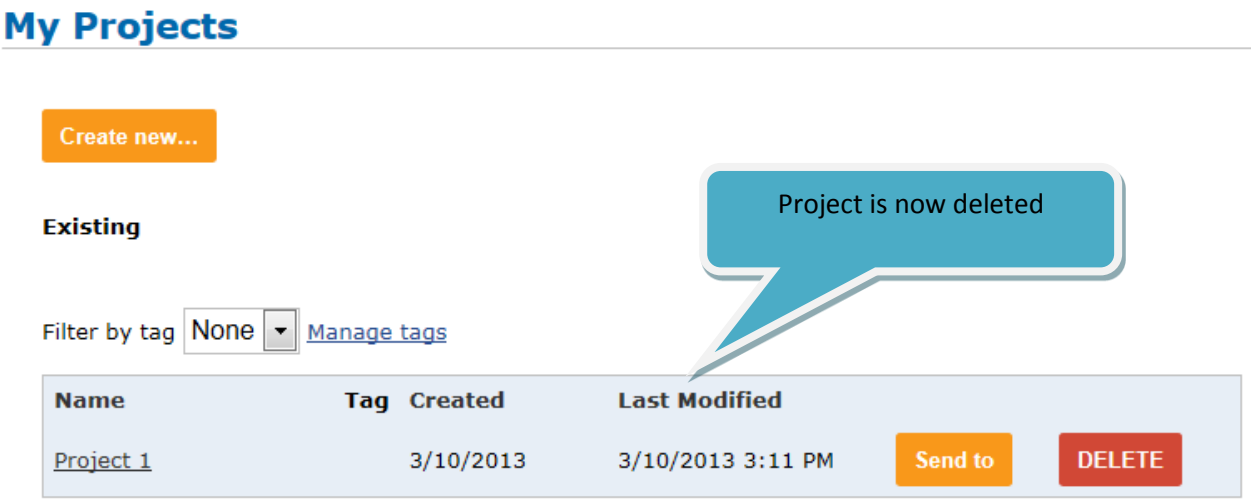
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project tags
Project tags
New tag
Tag name Test1
Save
Connect tag to project
Project Project 1
Tag Test1
Save
Enter a New Tag name and save.
Go to “My Projects” again


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Filter by tag: None
Manage tags...
Name
Tag
Created
Last Modified
Project 1
Test1
3/5/2013
3/5/2013 1:12 PM
Send to
DELETE
Here is the Tag name

2.3 Delete a project:

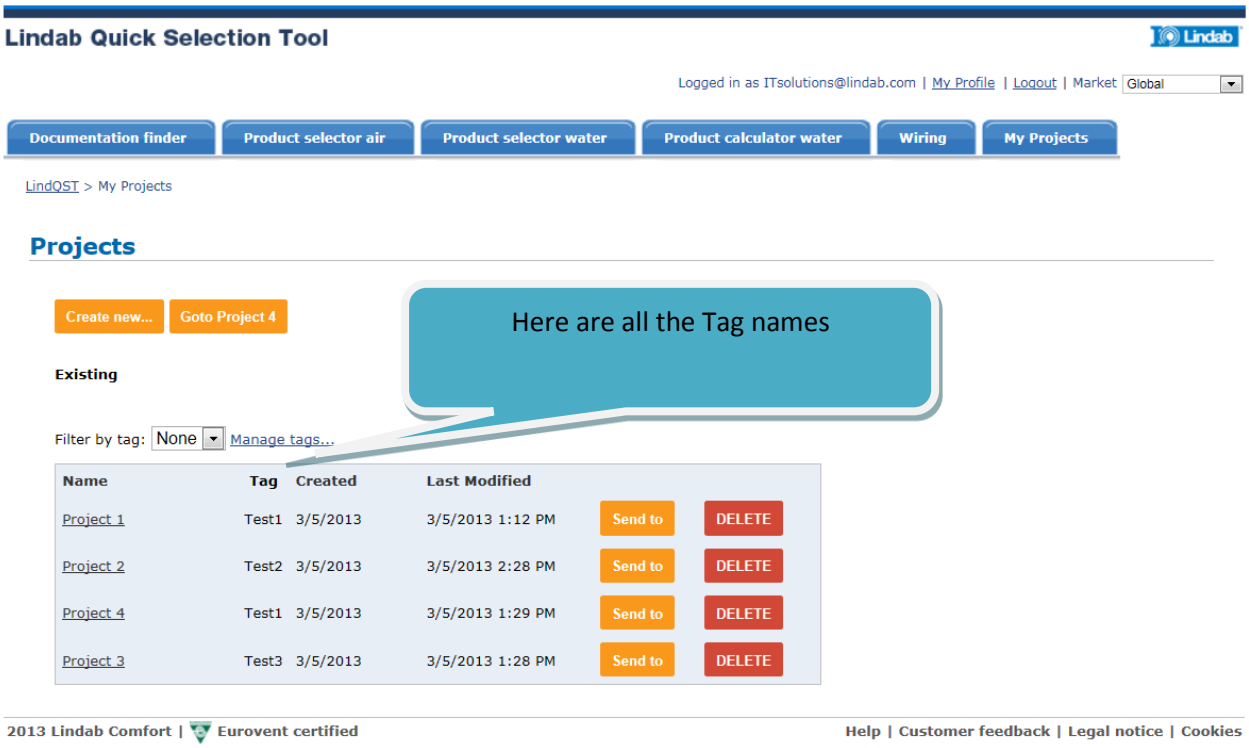





My Projects
Create new...
Existing
Project is now deleted
Filter by tag None
Manage tags
Name
Tag
Created
Last Modified
Project 1
3/10/2013
3/10/2013 3:11 PM
Send to
DELETE

2.4 Sort by Tags:

You can do a quick search for a project if a Tag name has been given.


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 4
Existing
Here are all the Tag names
Filter by tag: None Manage tags...
Name Tag Created Last Modified
Project 1 Test1 3/5/2013 3/5/2013 1:12 PM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE
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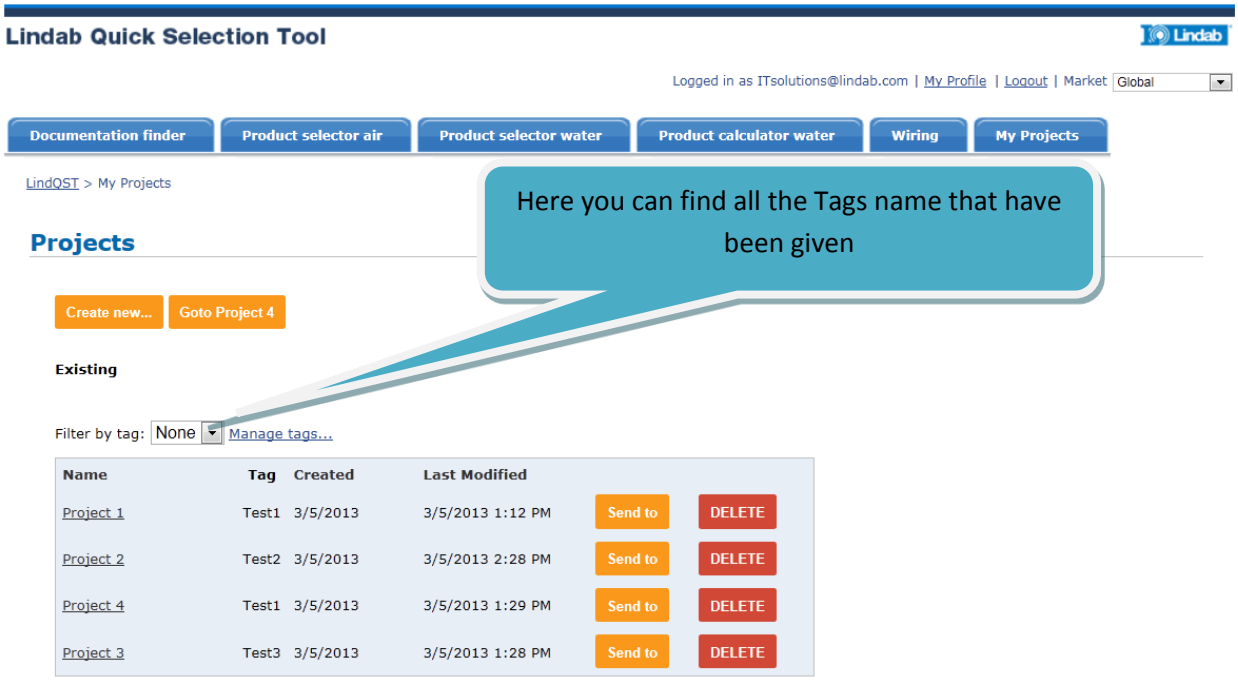
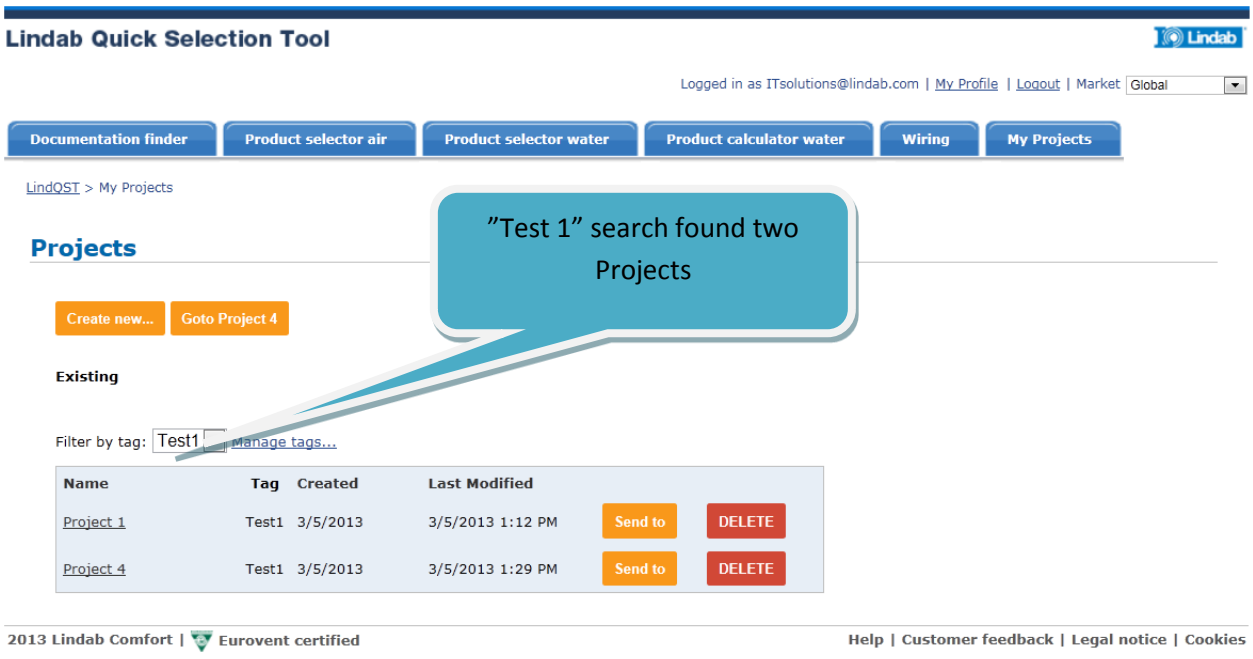

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Here you can find all the Tags name that have been given
Projects
Create new...
Goto Project 4
Existing
Filter by tag: None
Manage tags...
Name Tag Created Last Modified
Project 1 Test1 3/5/2013 3/5/2013 1:12 PM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
”Test 1” search found two Projects
Projects
Create new...
Goto Project 4
Existing
Filter by tag: Test1
Manage tags...
Name Tag Created Last Modified
Project 1 Test1 3/5/2013 3/5/2013 1:12 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
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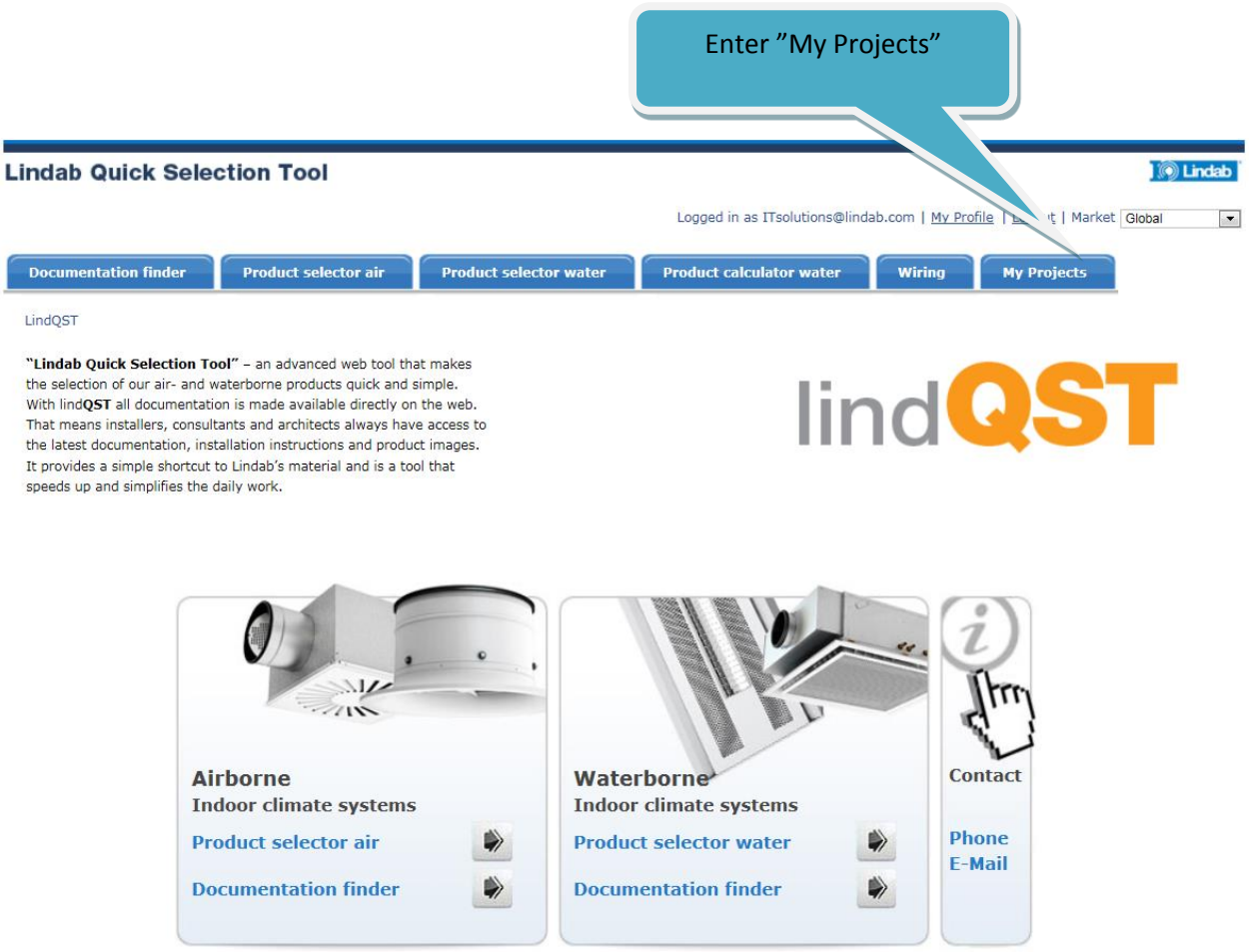
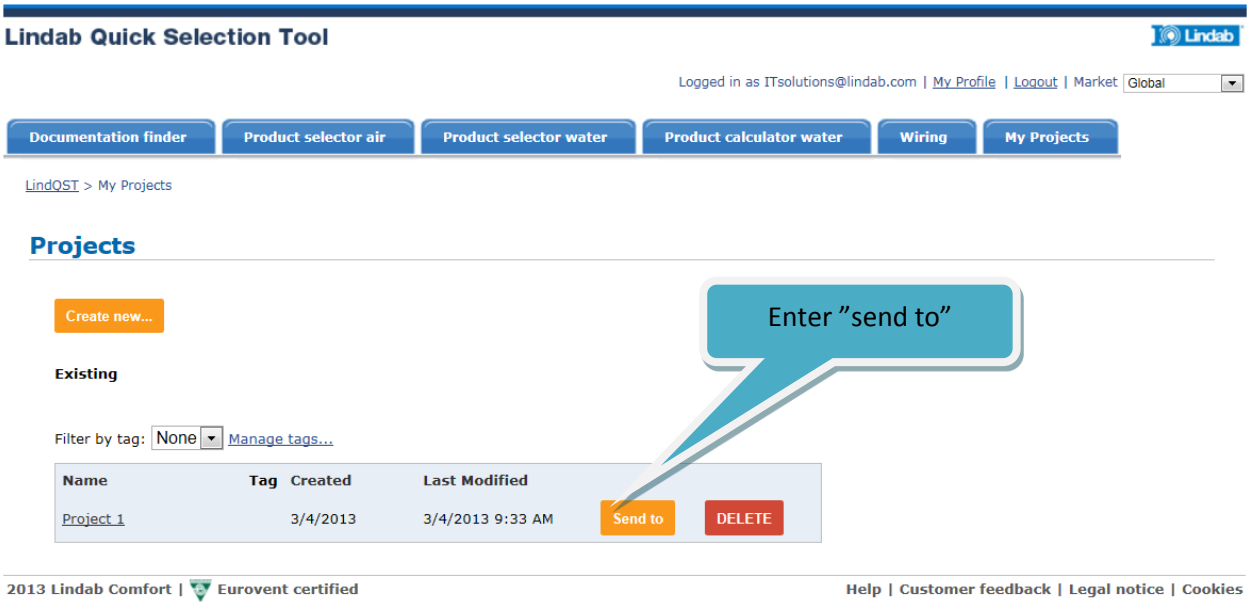
2.5 *Send Project:*

If you wants to share a project with some one else you can send it directly from LindQst


Enter ”My Projects”
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
”Lindab Quick Selection Tool” – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab’s material and is a tool that speeds up and simplifies the daily work.
lindQST
Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Existing
Filter by tag: None Manage tags...
Name
Tag
Created
Last Modified
Project 1
3/4/2013
3/4/2013 9:33 AM
Send to
DELETE
Enter ”send to”
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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Share Project
Share Project 1
Project sharing creates a snapshot (copy) of the project's current state and makes it available to t
Any changes made to the original or copied project will not affect each other.
Share to user with e-mail: jens.jensen@lindab.com
Confirm e-mail: jens.jensen@lindab.com
Message to receiver: Hi,I want to share a project with you
Share
Enter the email you want to share your project with and if needed enter a message.
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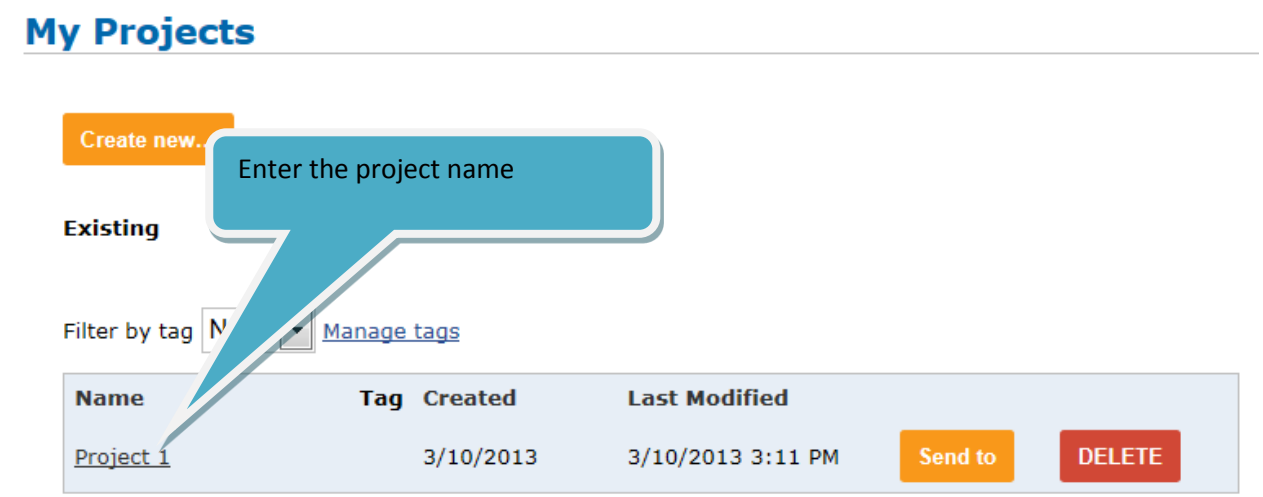
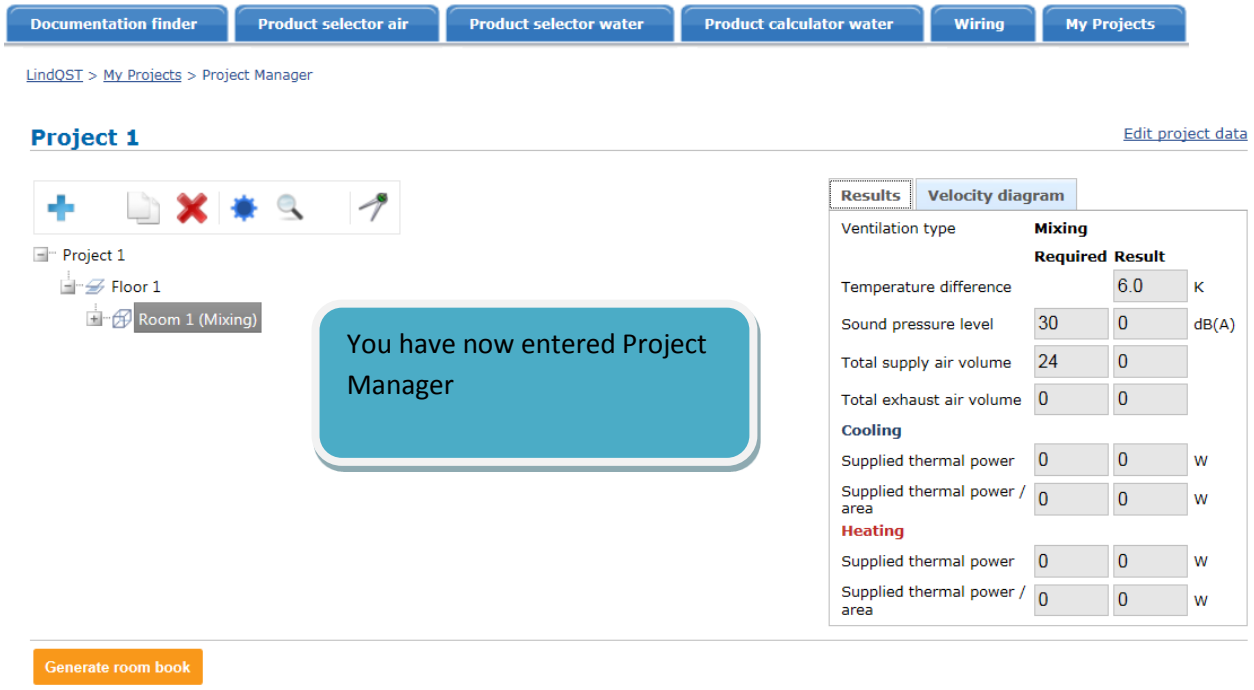
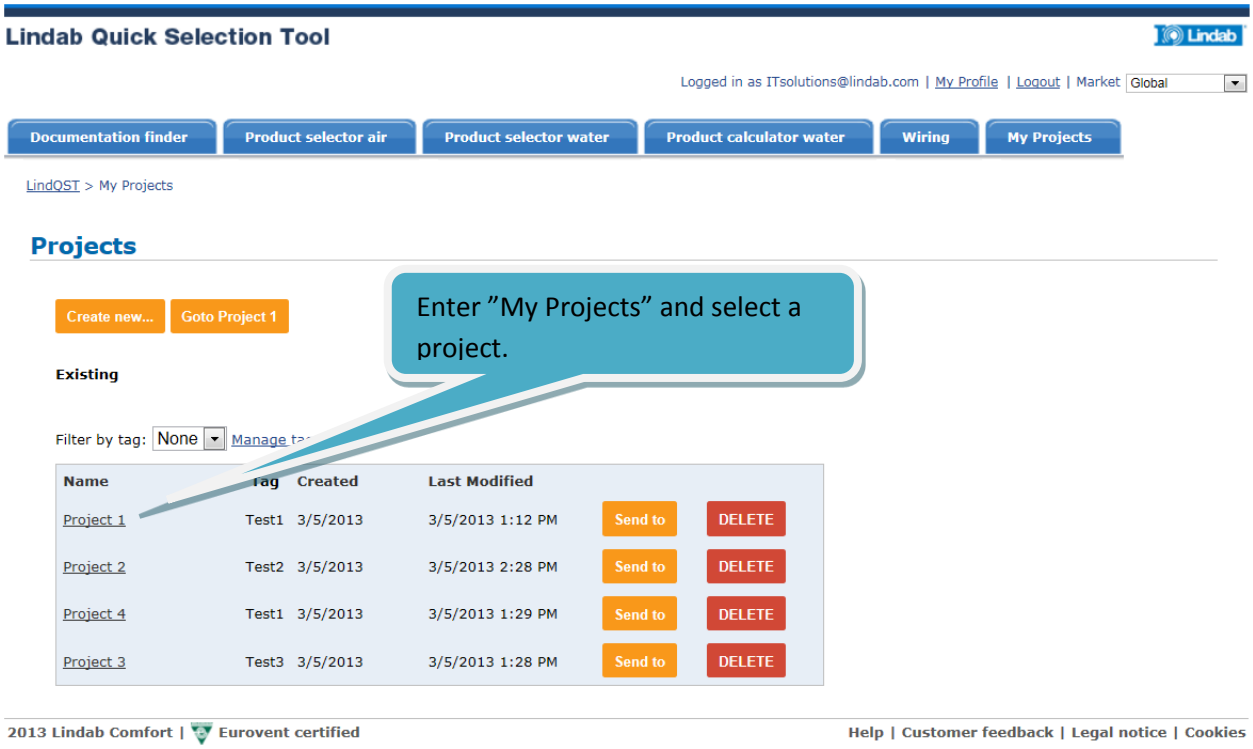
2.6 *Open Project Manager:*





3 Project Manager:

3.1 Rename room:


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Filter by tag: None
Enter "My Projects" and select a project.
Name
Tag
Created
Last Modified
Project 1 Test1 3/5/2013 3/5/2013 1:12 PM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE
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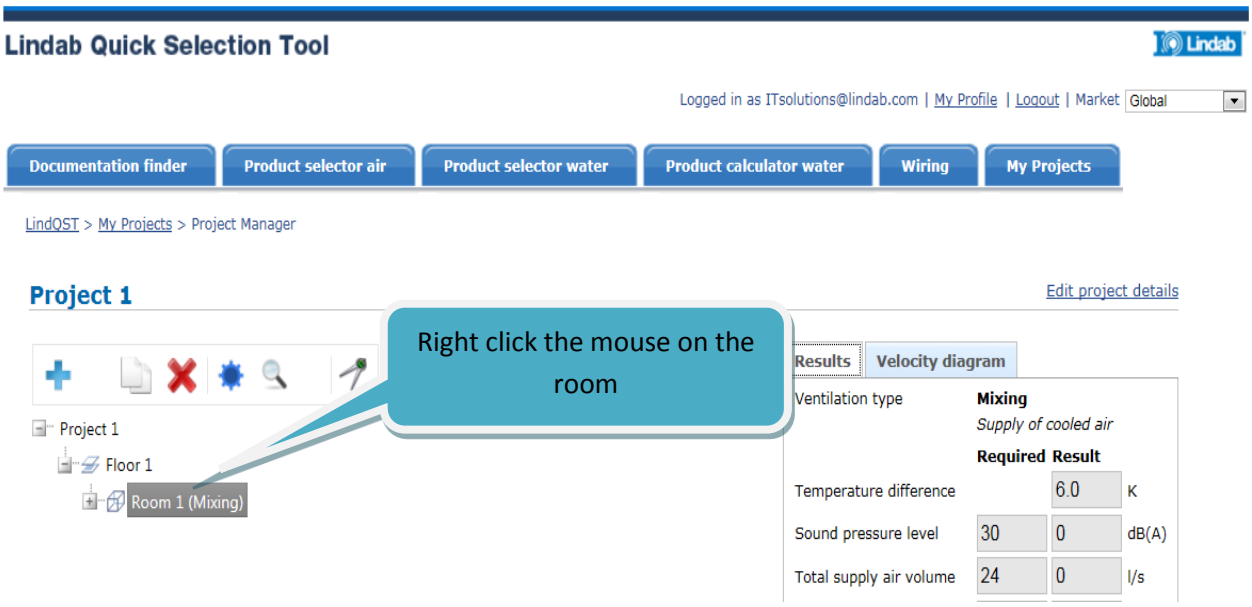
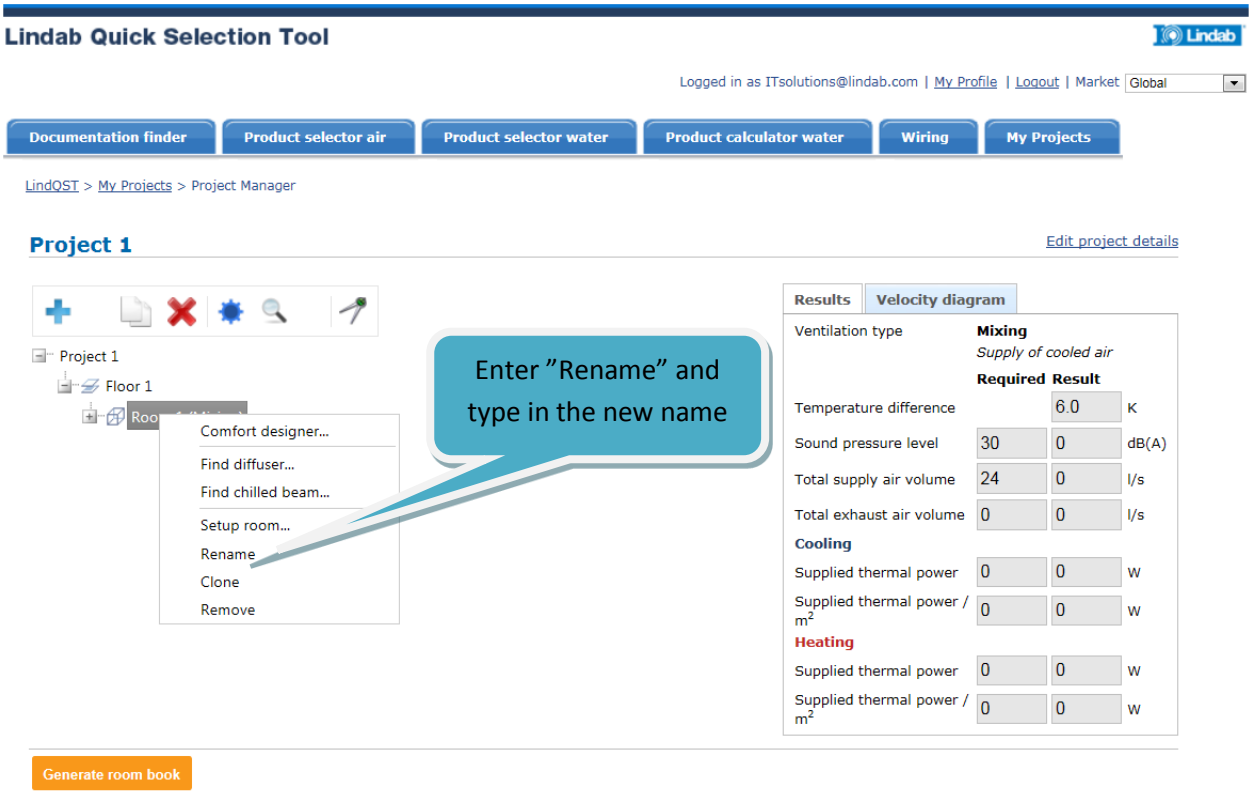
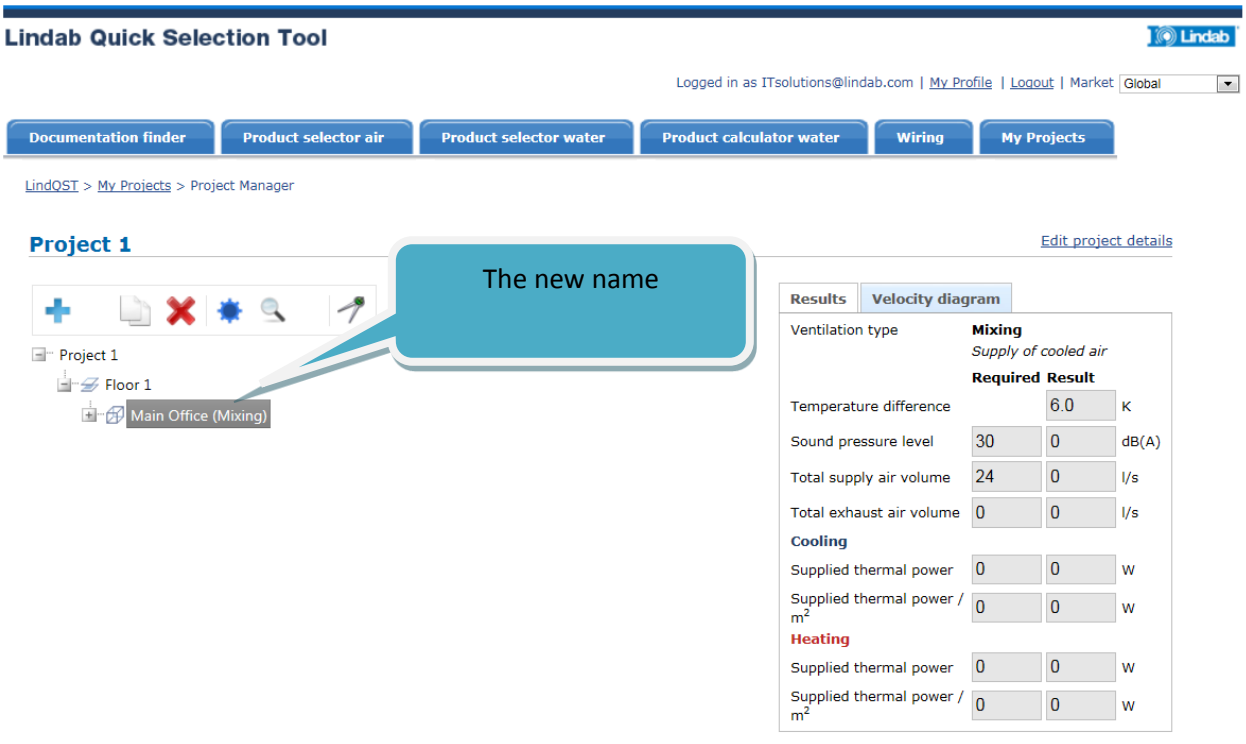



Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Enter ”Rename” and type in the new name
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24 0 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W
Heating
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W
Generate room book


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Main Office (Mixing)
The new name
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24 0 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W
Heating
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W

3.2 Setup room:

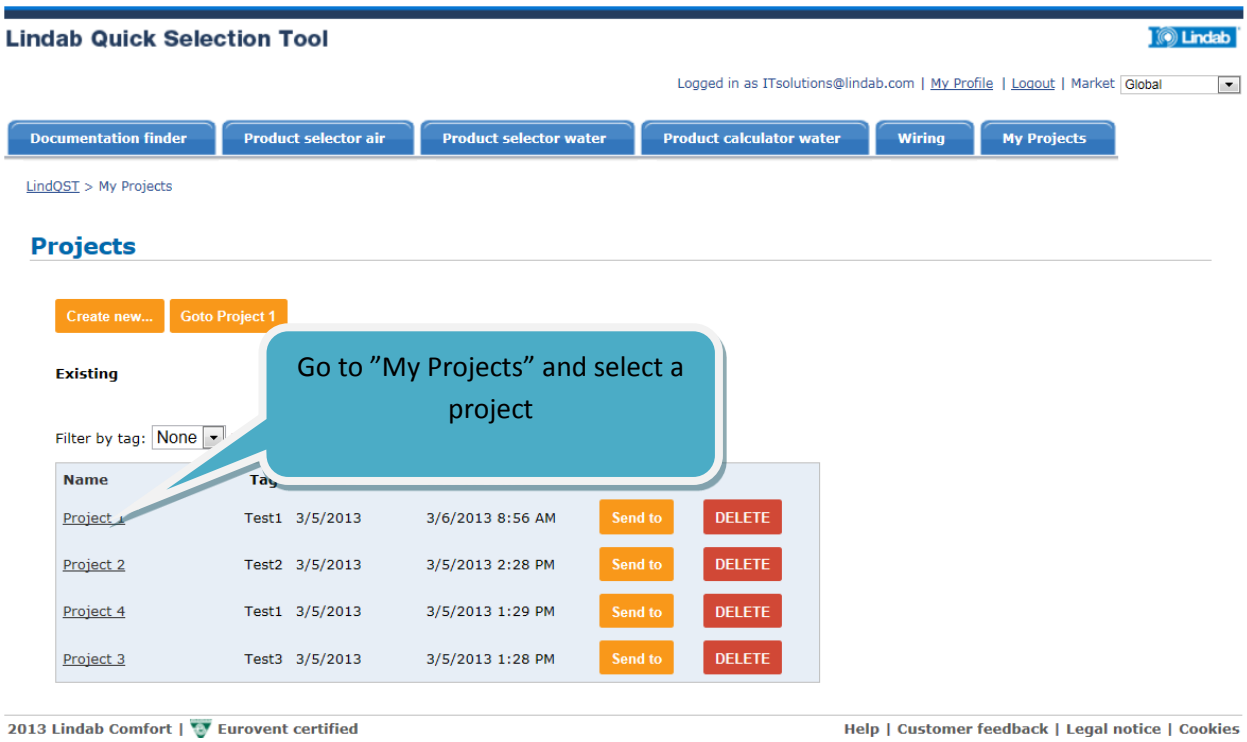
See Setup room to continue in chapter Setup Room:47

4 Setup Room

4.1 Clone room:

If you have setup a room with customized size and diffusers or chilled beams you can clone the room to make two identical rooms.

Way 1:


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Filter by tag: None
Go to ”My Projects” and select a project
Name
Project 1 Test1 3/5/2013 3/6/2013 8:56 AM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE
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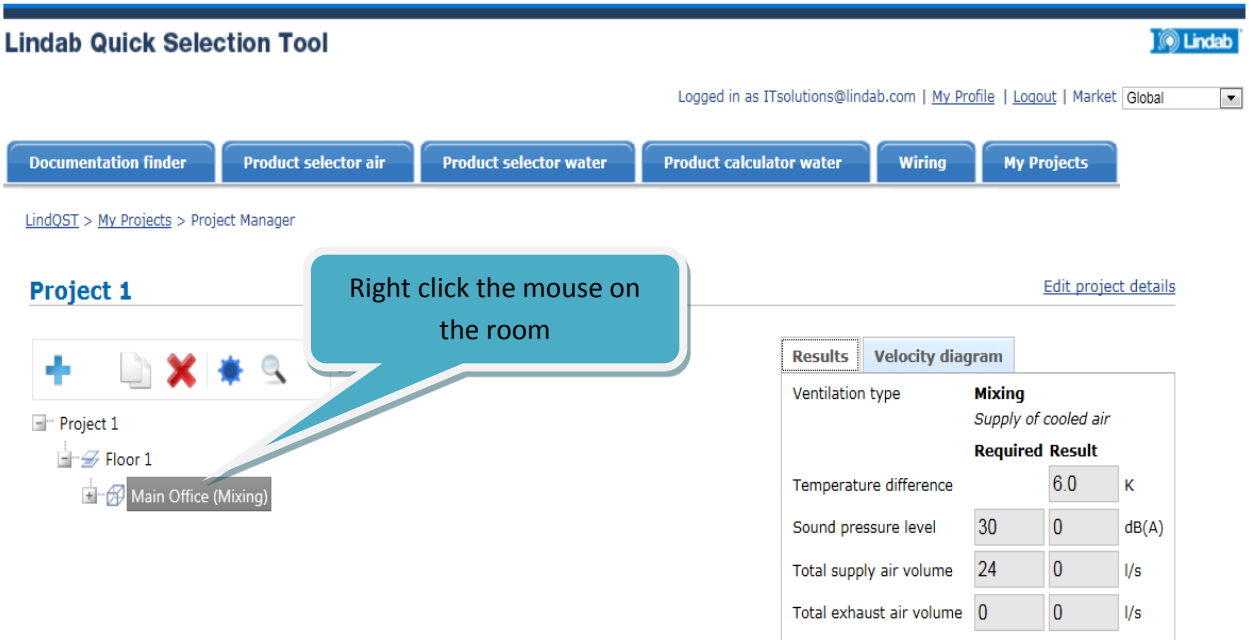
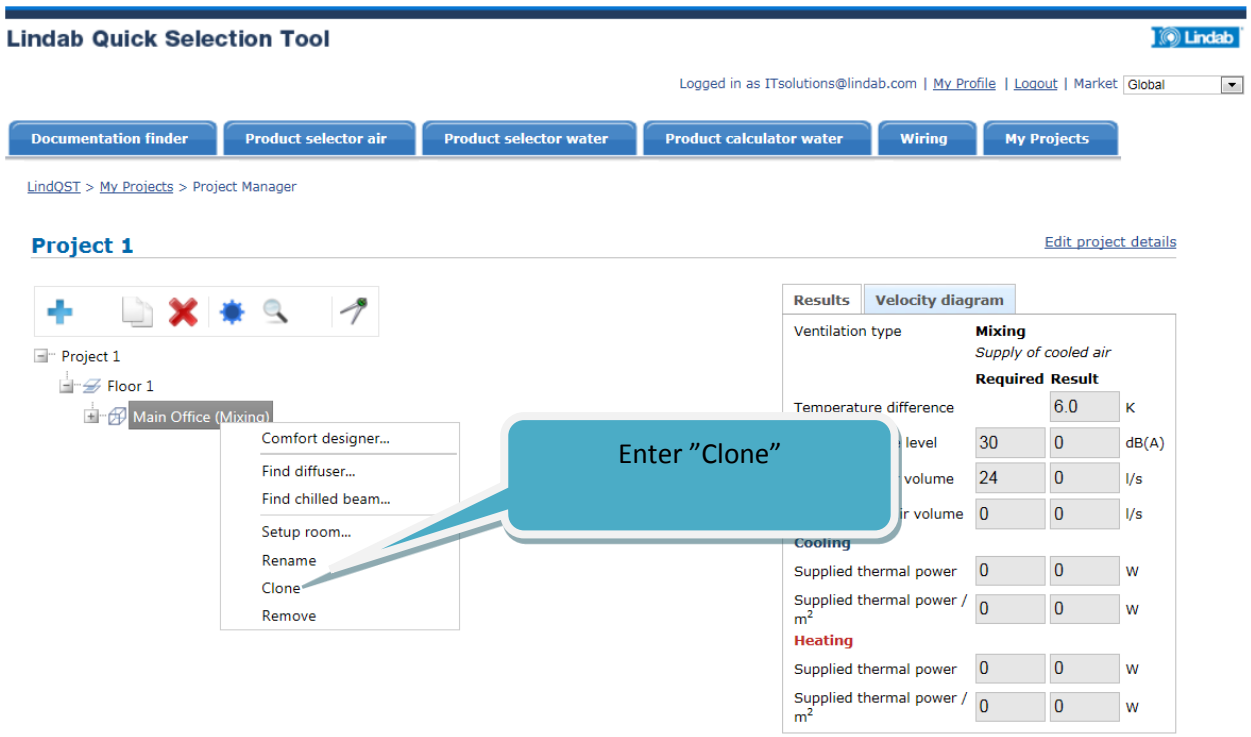
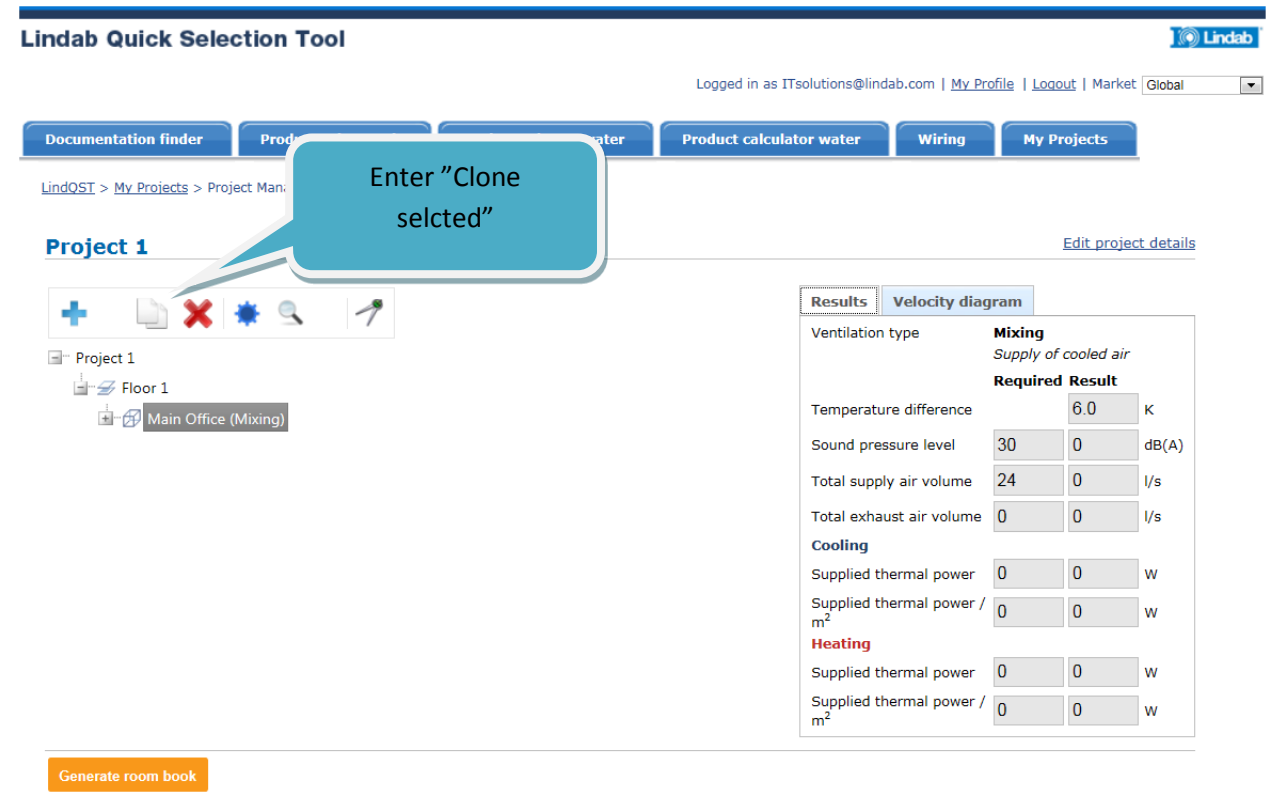
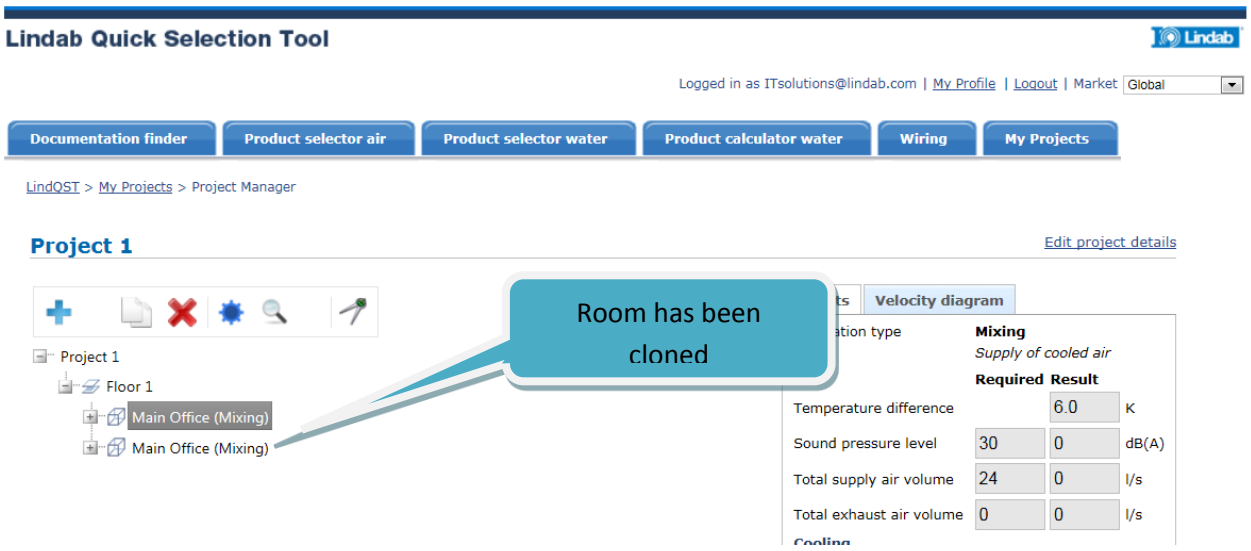

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Right click the mouse on the room
Project 1
Floor 1
Main Office (Mixing)
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference
6.0
K
Sound pressure level
30
0
dB(A)
Total supply air volume
24
0
l/s
Total exhaust air volume
0
0
l/s


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Main Office (Mixing)
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Enter "Clone"
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference
6.0
K
level
30
0
dB(A)
volume
24
0
l/s
ir volume
0
0
l/s
Cooling
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W
Heating
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W

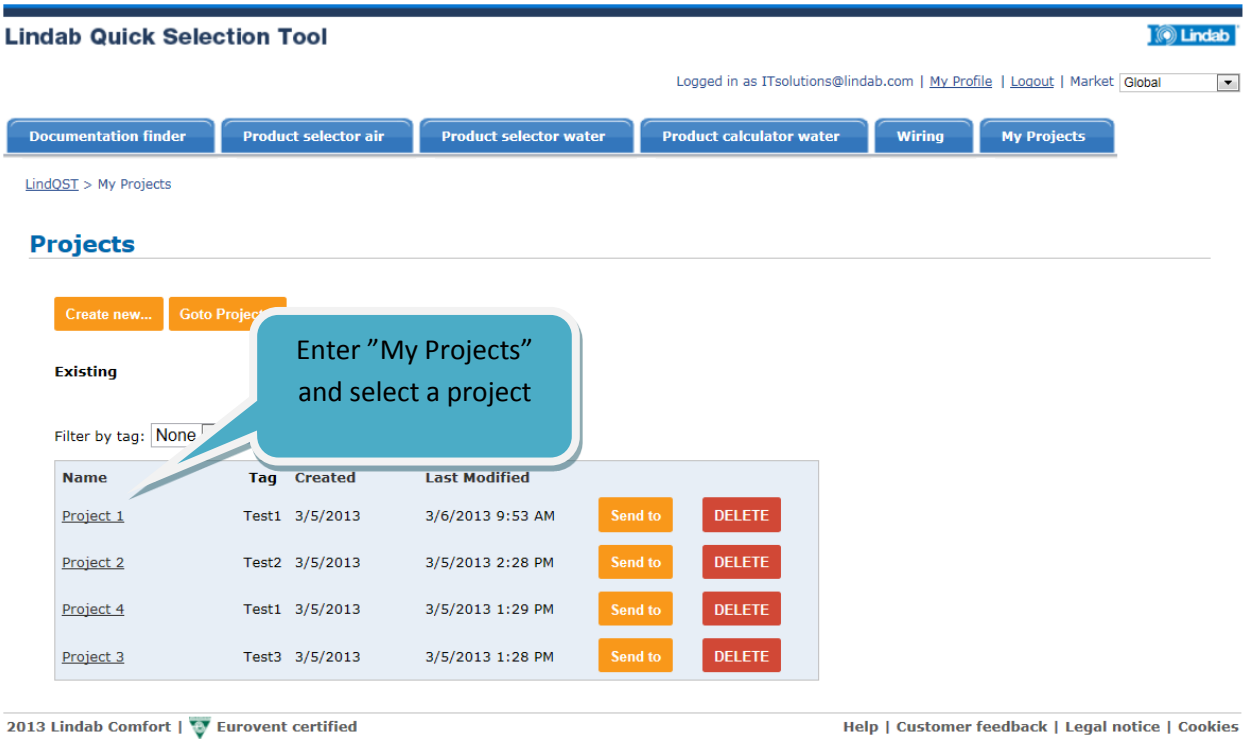
Way 2


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Man
Enter ”Clone selcted”
Project 1
Edit project details
Project 1
Floor 1
Main Office (Mixing)
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24 0 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W
Heating
Supplied thermal power 0 0 W
Supplied thermal power / m2 0 0 W
Generate room book


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Room has been cloned
Project 1
Floor 1
Main Office (Mixing)
Main Office (Mixing)
Velocity diagram
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24 0 l/s
Total exhaust air volume 0 0 l/s

4.2 Add room

Add a room if a new ”empty” room is needed. Here you can customize the room and add diffusers and chilled beams.


Lindab Quick Selection Tool
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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project
Existing
Filter by tag: None
Enter ”My Projects” and select a project
Name Tag Created Last Modified
Project 1 Test1 3/5/2013 3/6/2013 9:53 AM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE
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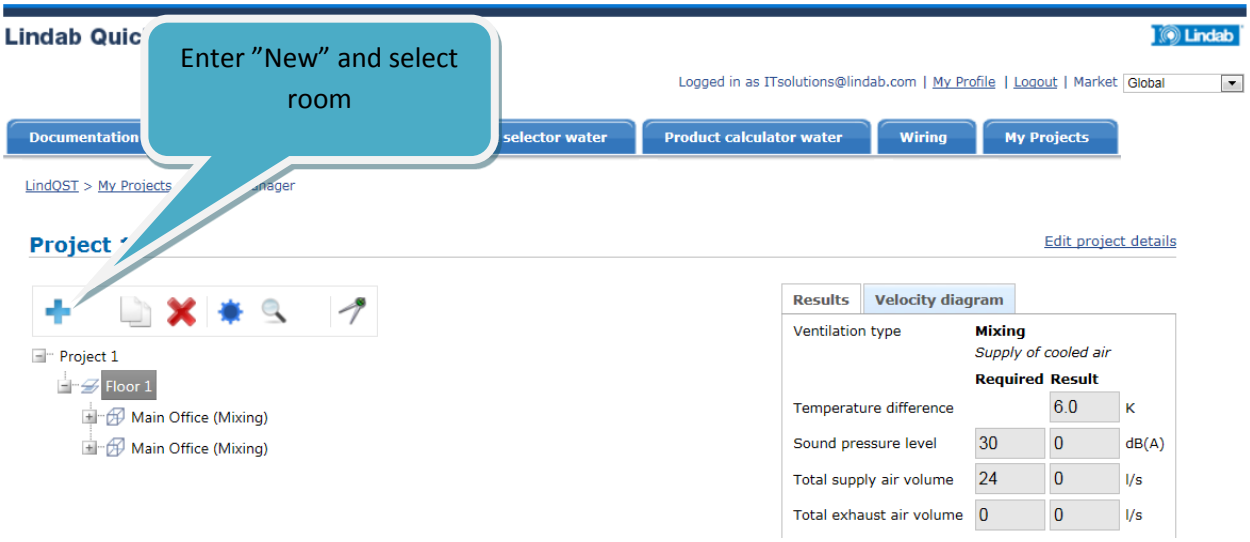
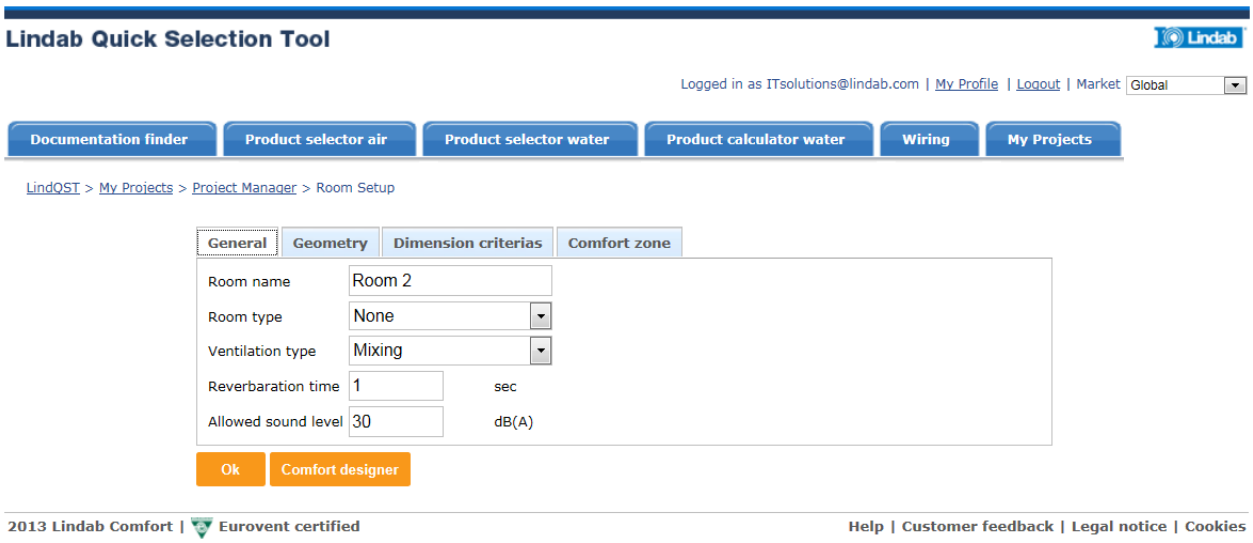
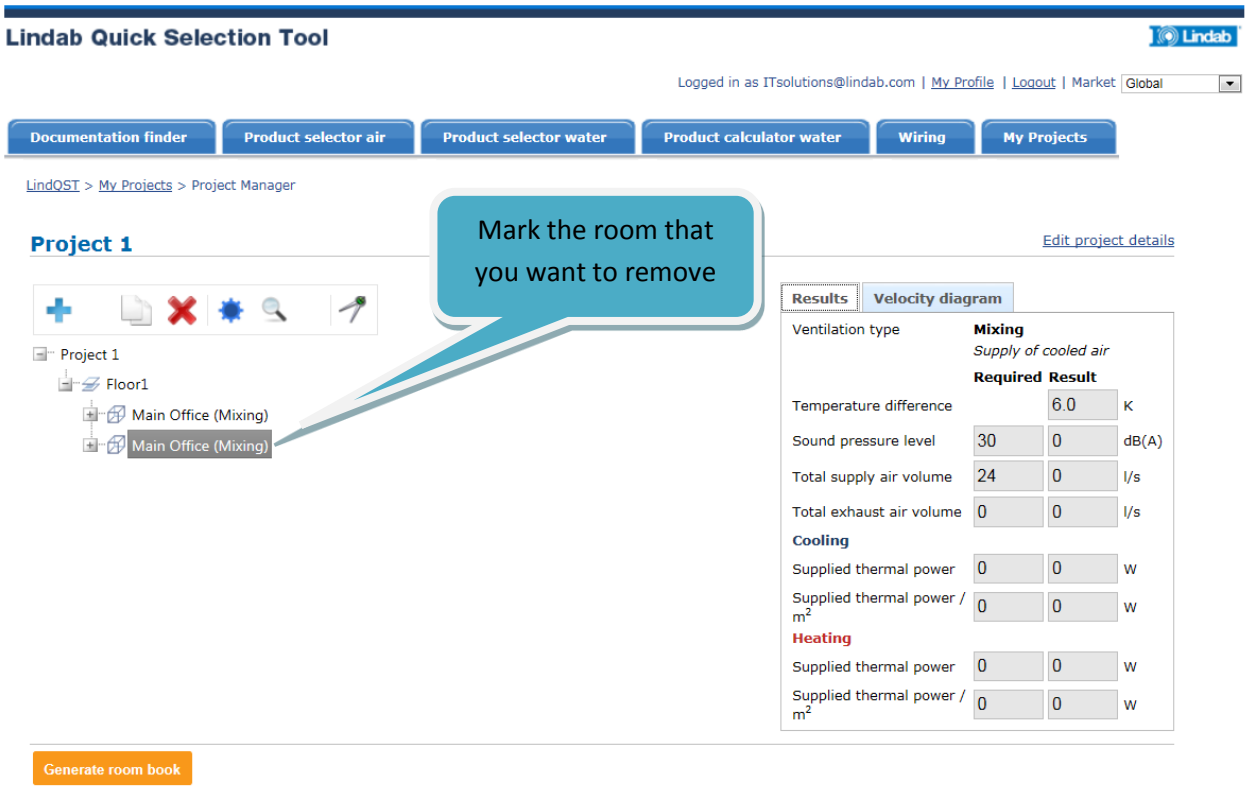


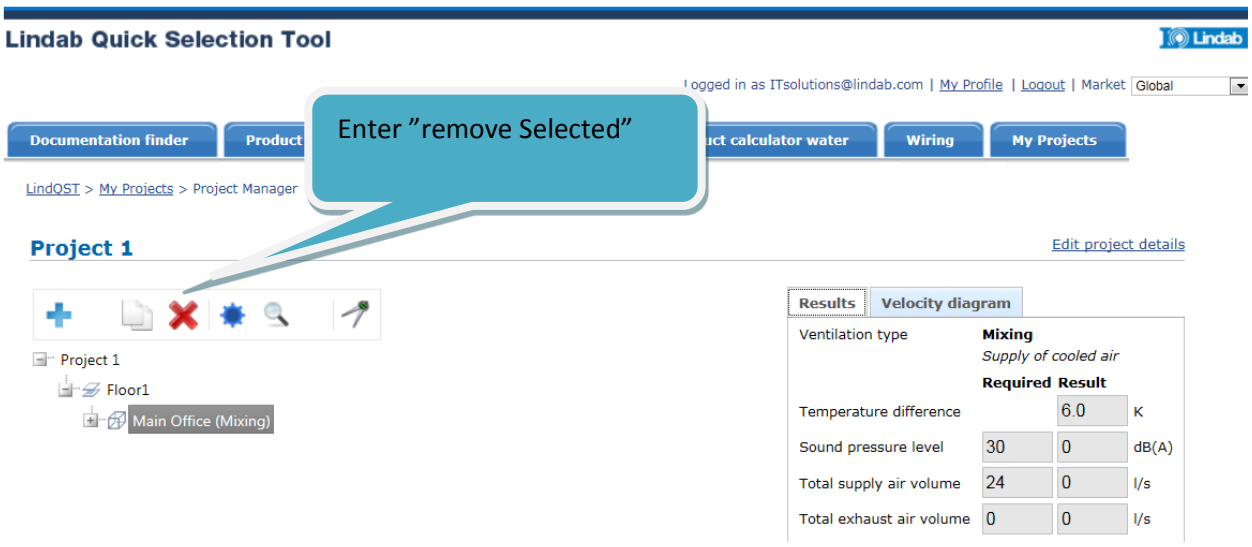


Have a look at the chapter:

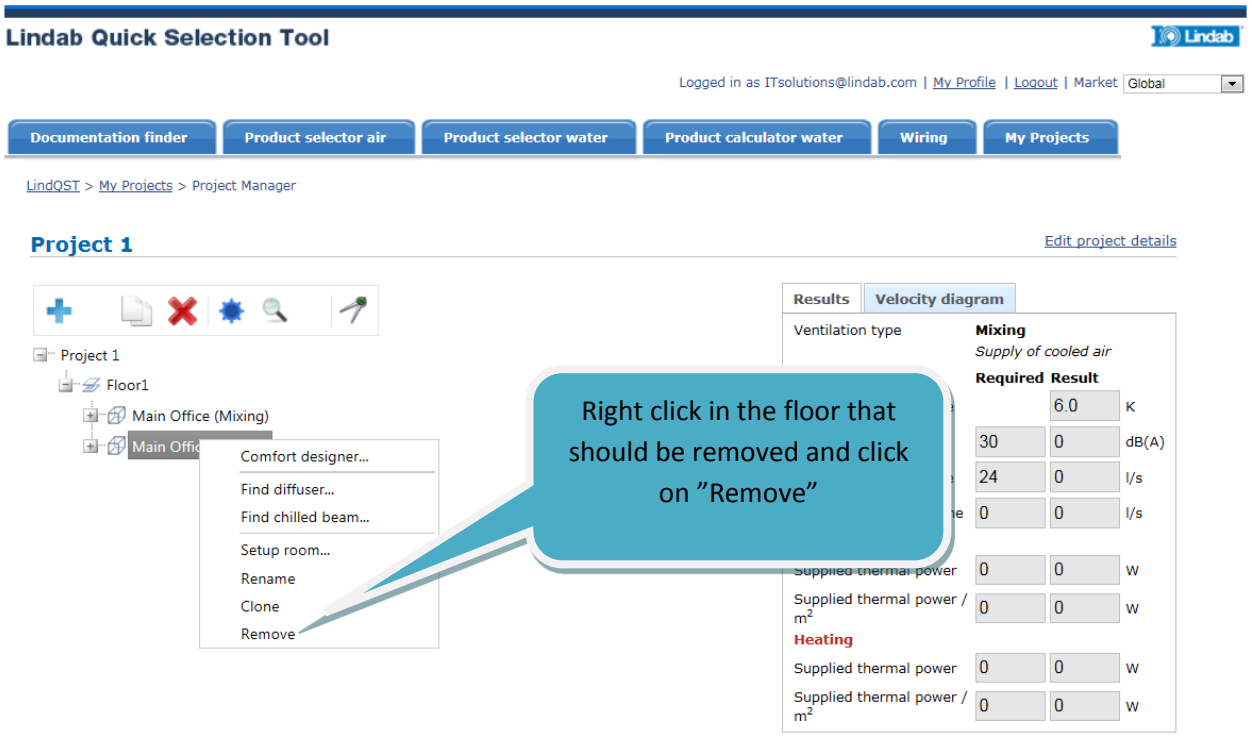
Setup Room: on page 47

4.3 Remove room:





Or


Lindab Quick Selection Tool
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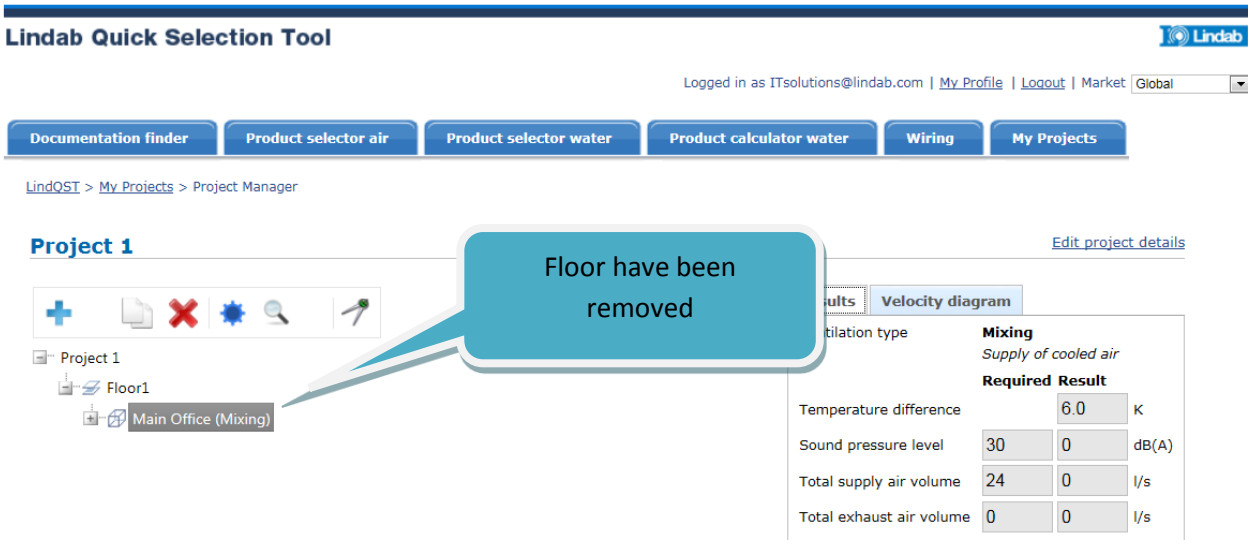
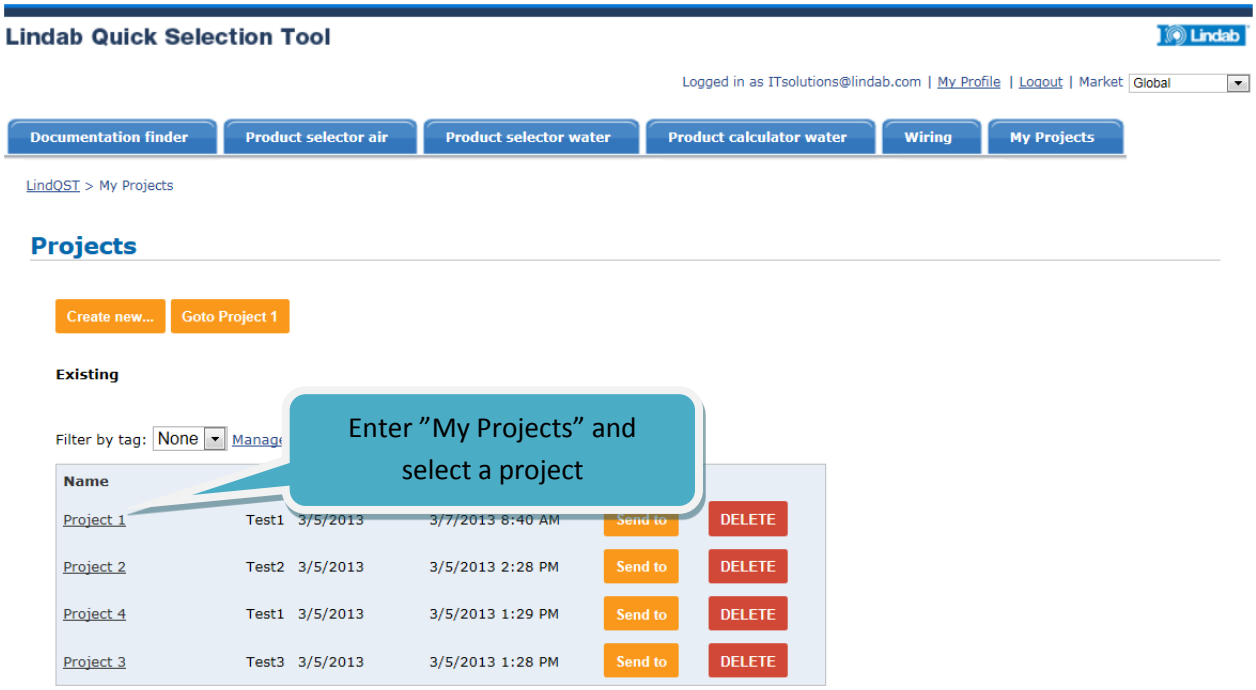
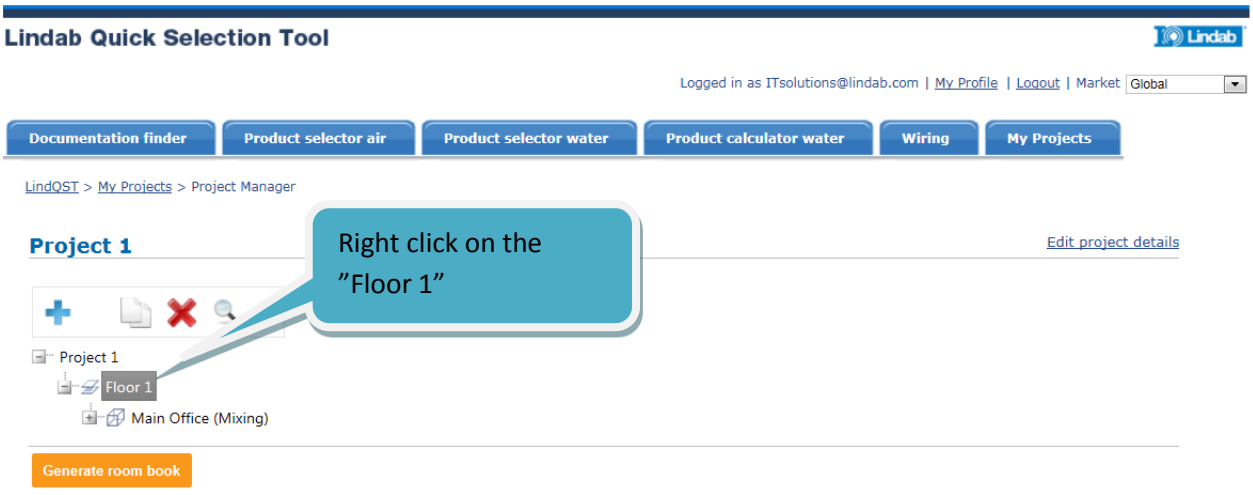
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor1
Main Office (Mixing)
Main Offic
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Right click in the floor that should be removed and click on ”Remove”
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required
Result
6.0 K
30 0 dB(A)
24 0 l/s
0 0 l/s
0 0 W
Supplied thermal power / m²
0 0 W
Heating
Supplied thermal power
0 0 W
Supplied thermal power / m²
0 0 W

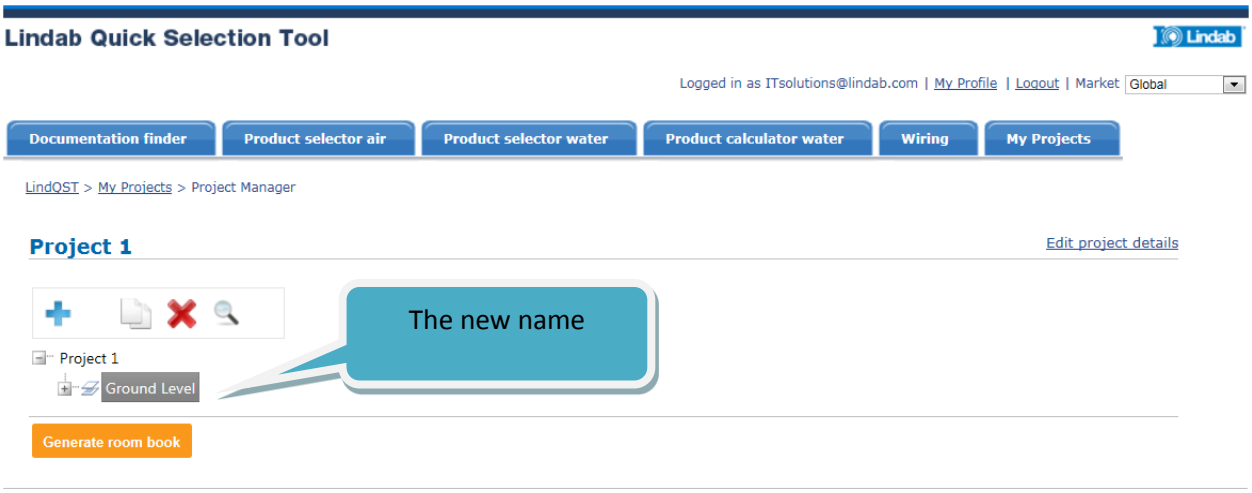

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor1
Main Office (Mixing)
Floor have been removed
Velocity diagram
Mixing
Supply of cooled air
Required
Result
Temperature difference
6.0 K
Sound pressure level
30 0 dB(A)
Total supply air volume
24 0 l/s
Total exhaust air volume
0 0 l/s

4.4 *Rename floor:*


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Filter by tag: None
Enter ”My Projects” and select a project
Name
Project 1 Test1 3/5/2013 3/7/2013 8:40 AM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE

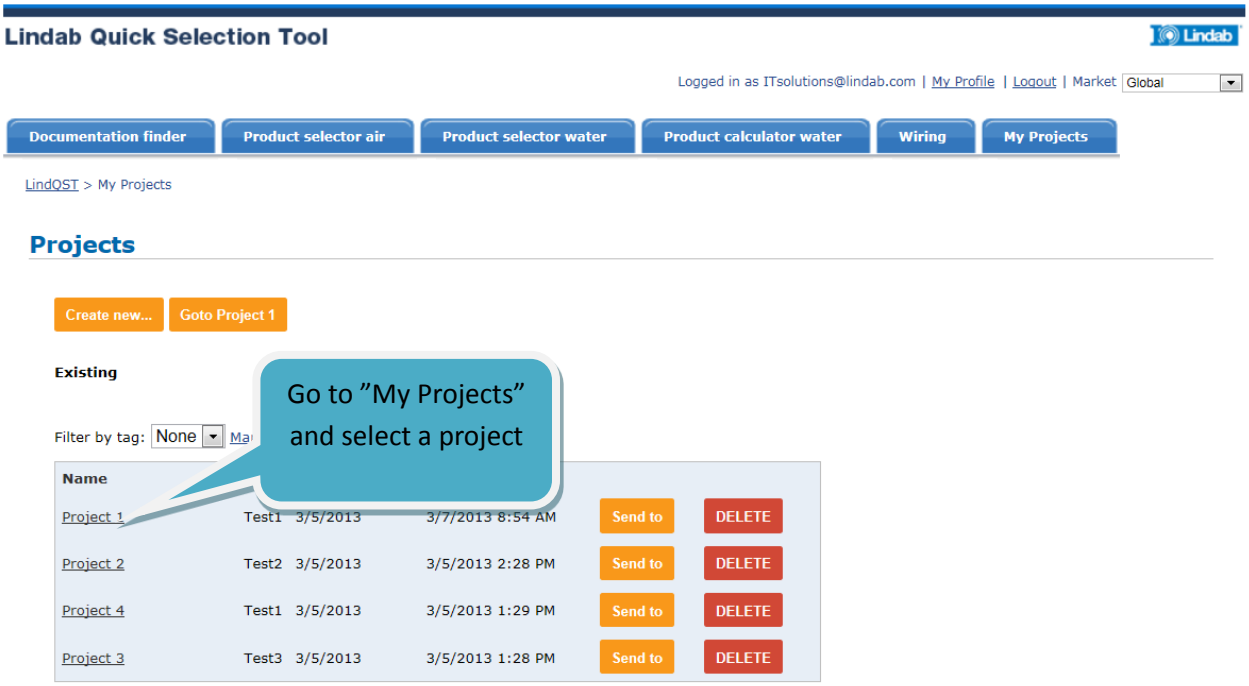


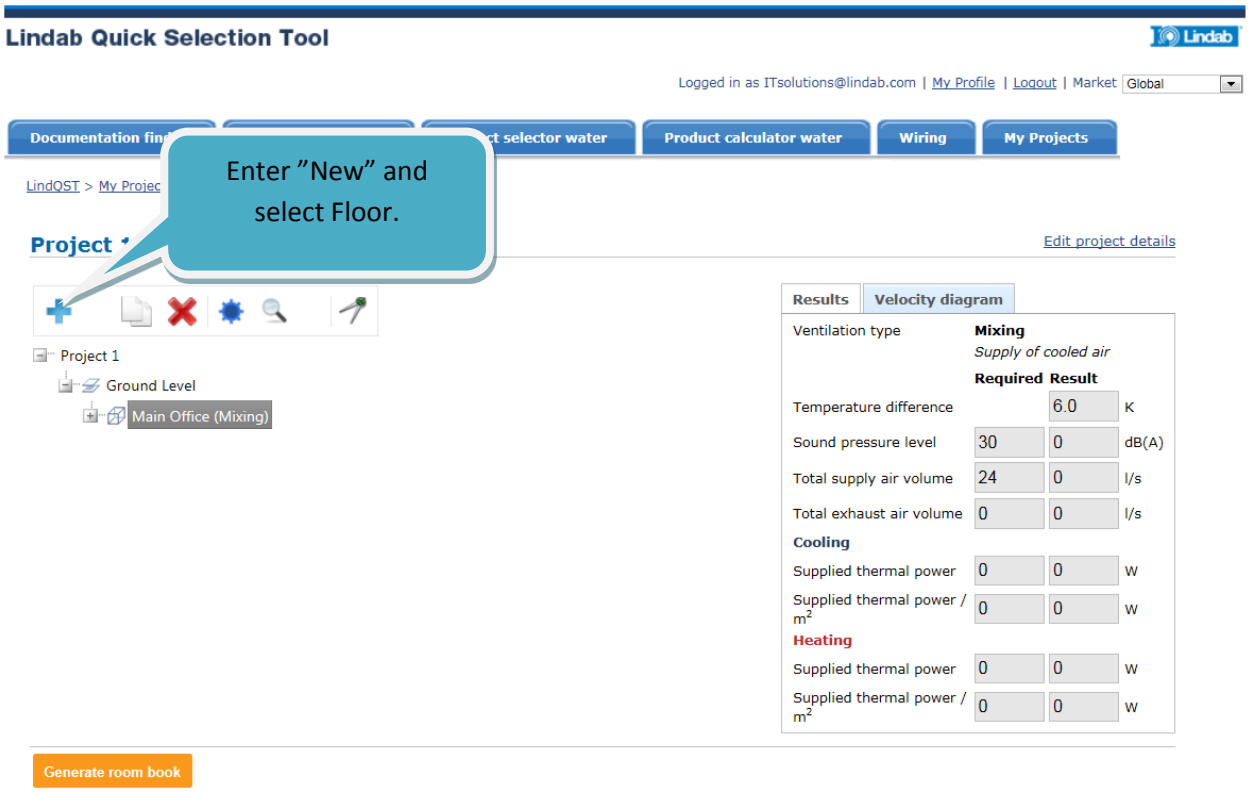
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Click on ”Rename” and type in the name
Project 1
New room...
Rename
Clone
Remove
Generate ro

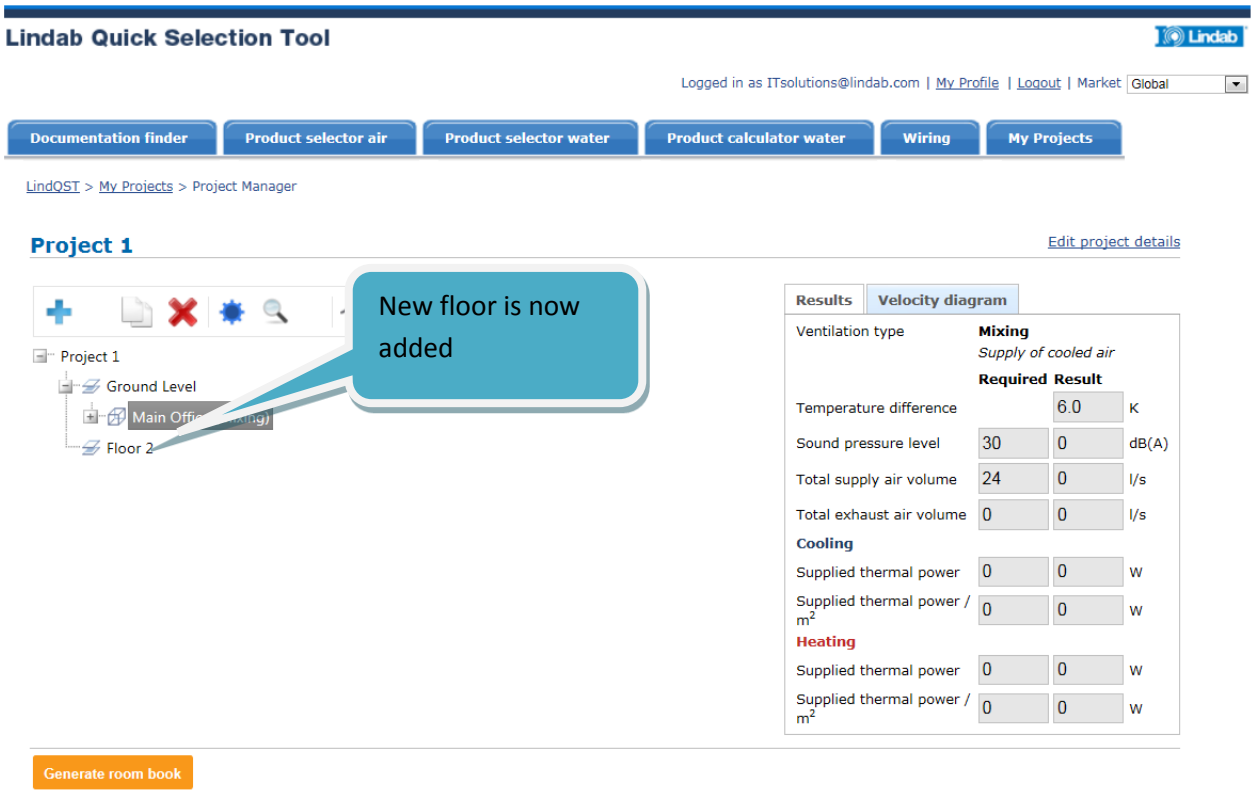

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
The new name
Project 1
Ground Level
Generate room book

4.5 *Add floor*

Add a new ”Empty floor” with ”empty” rooms. Customize the size of the rooms and add new diffusers or chilled beams.


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Go to ”My Projects” and select a project
Filter by tag: None
Name
Project 1 Test1 3/5/2013 3/7/2013 8:54 AM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE

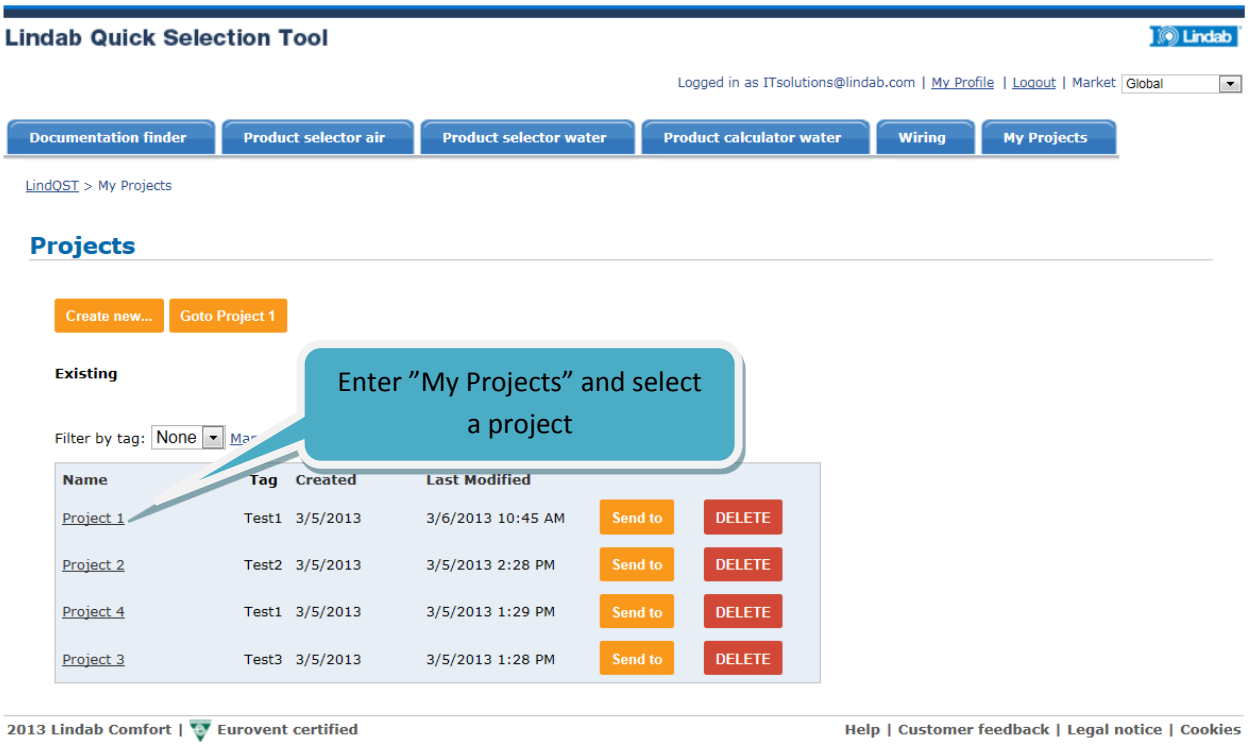

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projec
Enter ”New” and select Floor.
Project
Edit project details
Project 1
Ground Level
Main Office (Mixing)
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required
Result
Temperature difference
6.0
K
Sound pressure level
30
0
dB(A)
Total supply air volume
24
0
l/s
Total exhaust air volume
0
0
l/s
Cooling
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W
Heating
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W
Generate room book

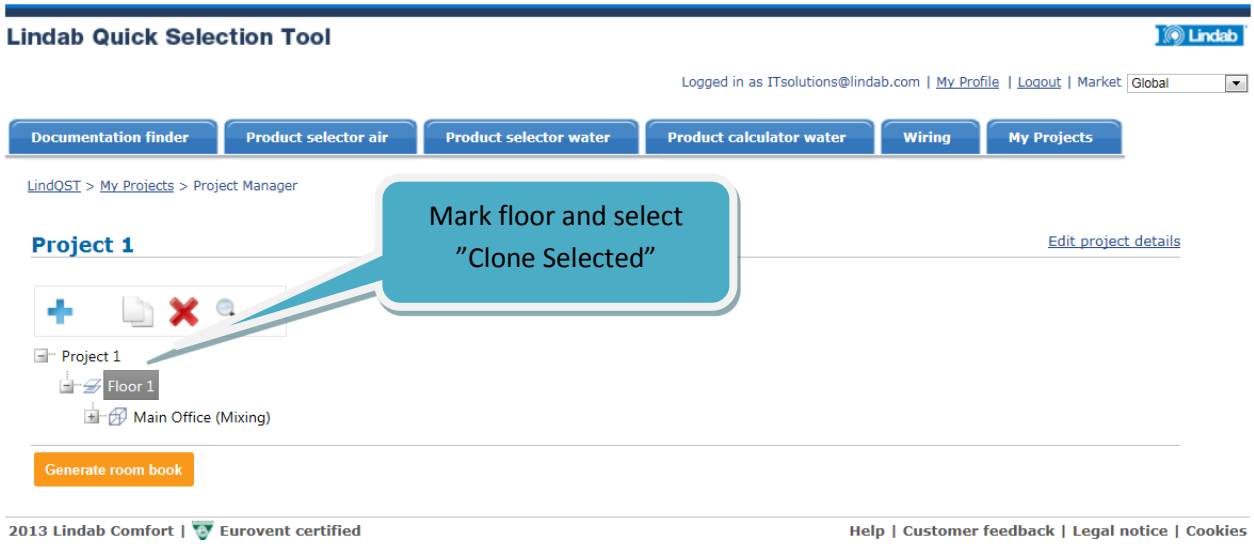

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
New floor is now added
Project 1
Ground Level
Floor 2
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required
Result
Temperature difference
6.0
K
Sound pressure level
30
0
dB(A)
Total supply air volume
24
0
l/s
Total exhaust air volume
0
0
l/s
Cooling
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W
Heating
Supplied thermal power
0
0
W
Supplied thermal power / m²
0
0
W
Generate room book

4.6 *Clone floor*

Clone a floor if you already have customized a floor and rooms that is needed on a new floor.

Way 1:


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects
Projects
Create new...
Goto Project 1
Existing
Filter by tag: None
Enter "My Projects" and select a project
Name
Tag
Created
Last Modified
Project 1 Test1 3/5/2013 3/6/2013 10:45 AM Send to DELETE
Project 2 Test2 3/5/2013 3/5/2013 2:28 PM Send to DELETE
Project 4 Test1 3/5/2013 3/5/2013 1:29 PM Send to DELETE
Project 3 Test3 3/5/2013 3/5/2013 1:28 PM Send to DELETE
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Mark floor and select ”Clone Selected”
Project 1
Floor 1
Main Office (Mixing)
Generate room book
2013 Lindab Comfort | Eurovent certified
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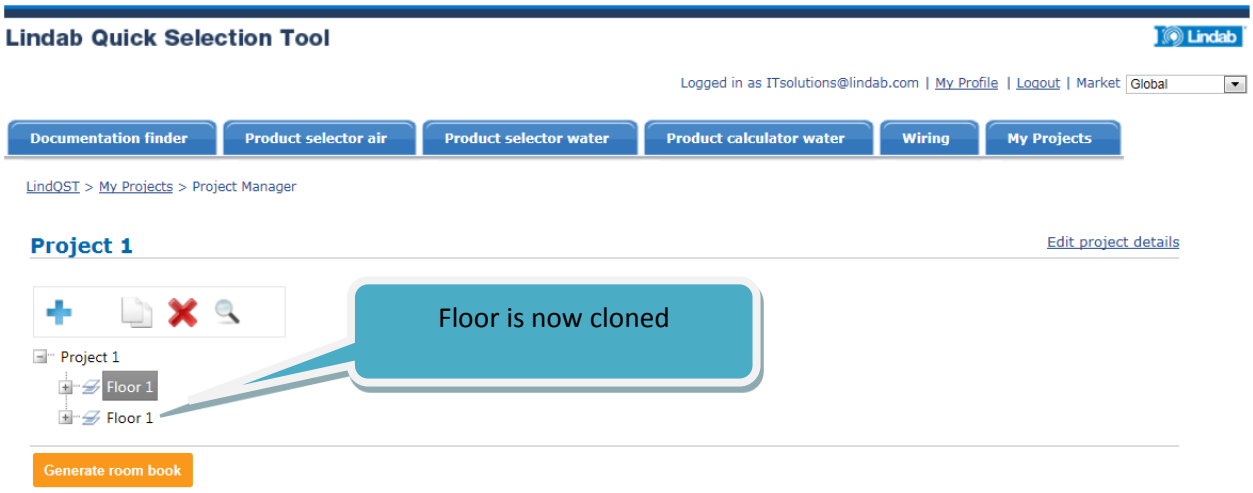
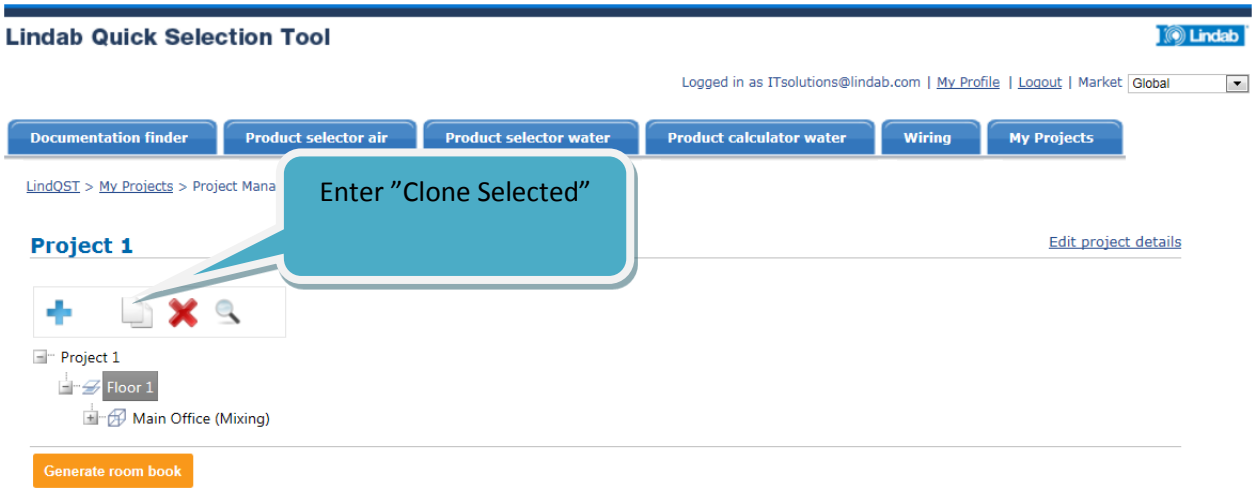
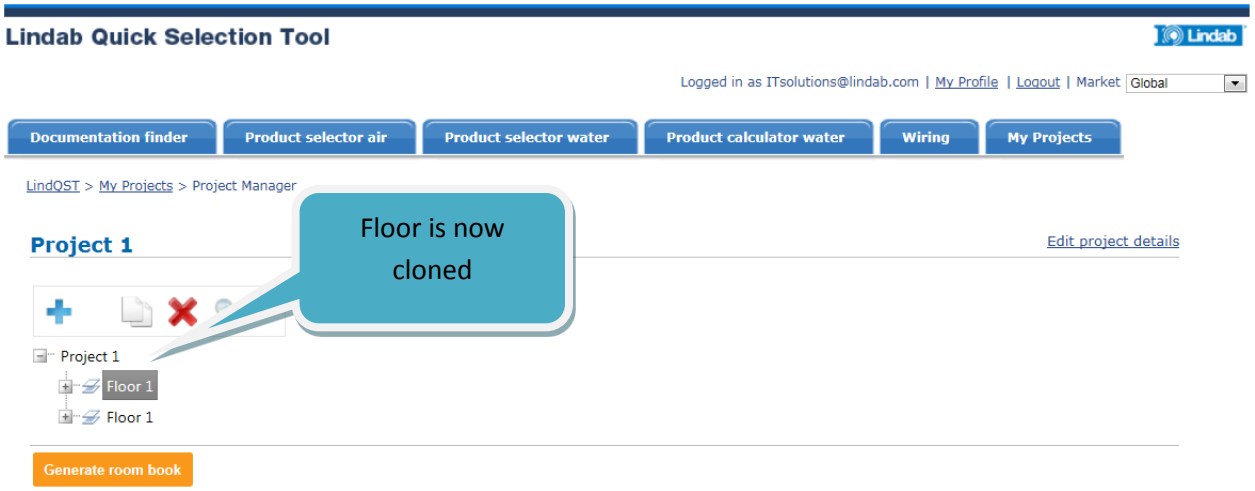
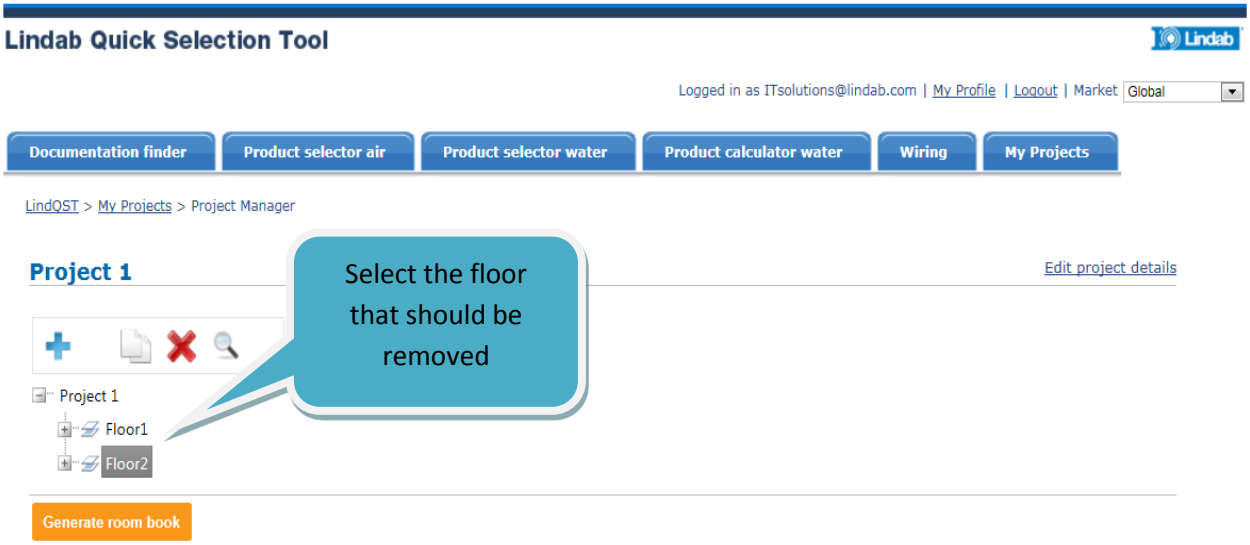

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Floor is now cloned
Project 1
Floor 1
Floor 1
Generate room book

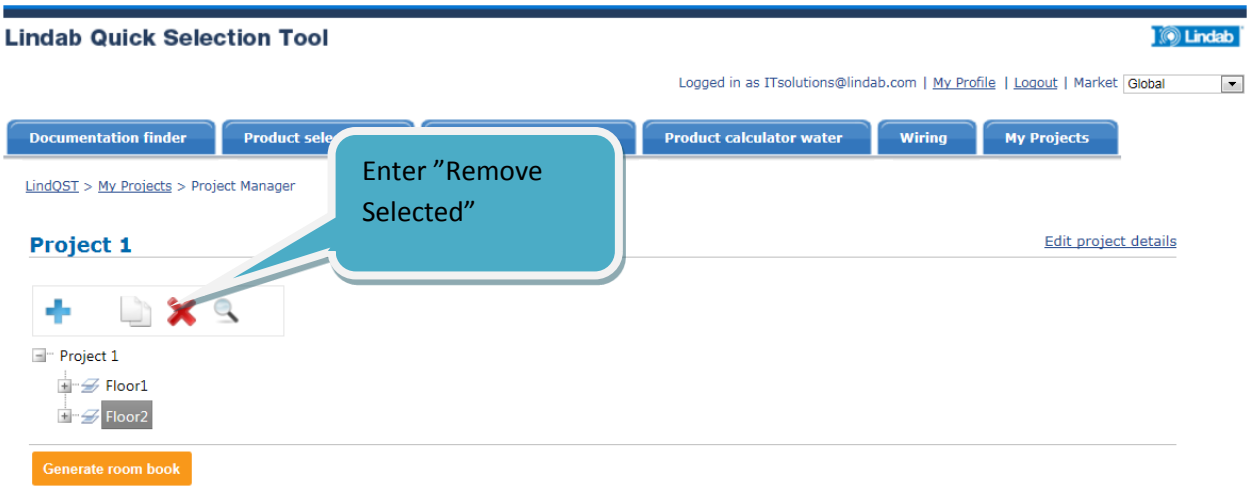
Way 2:


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Mana
Enter ”Clone Selected”
Project 1
Edit project details
Project 1
Floor 1
Main Office (Mixing)
Generate room book

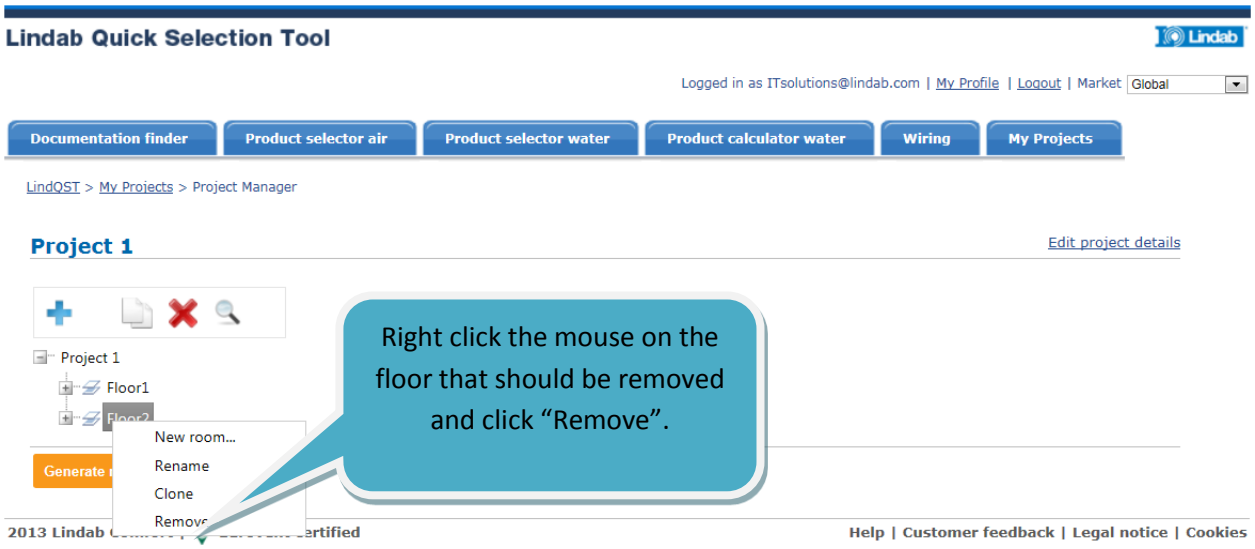

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Floor is now cloned
Project 1
Edit project details
Project 1
Floor 1
Floor 1
Generate room book

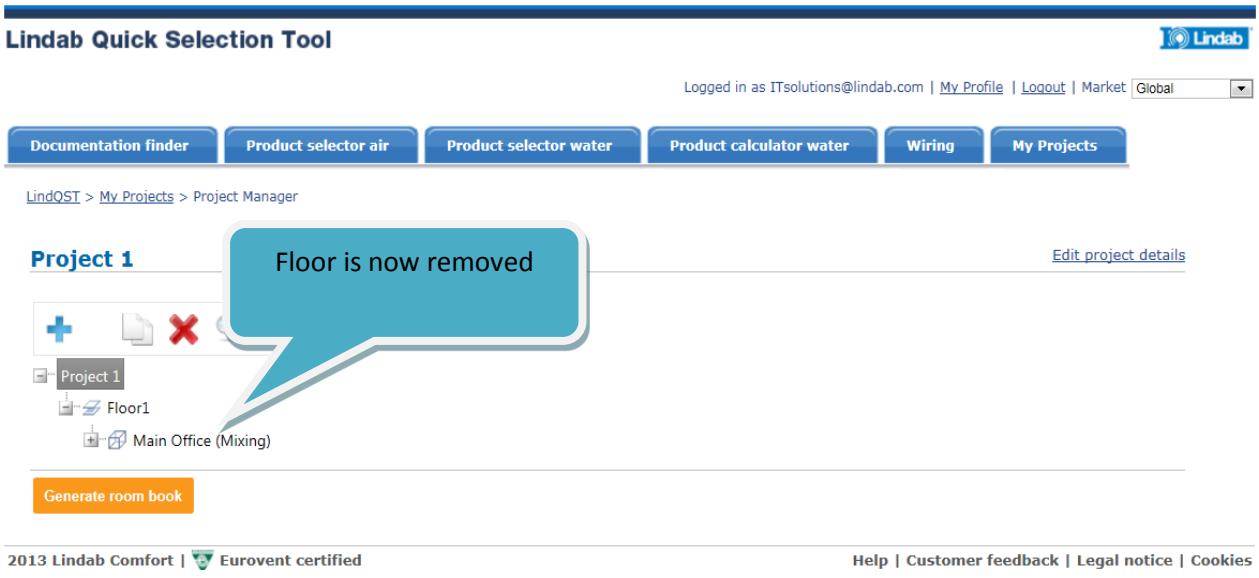
4.7 *Remove floor:*





Or


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor1
New room...
Rename
Clone
Remove
Right click the mouse on the floor that should be removed and click “Remove”.
Help | Customer feedback | Legal notice | Cookies


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Floor is now removed
Project 1
Floor1
Main Office (Mixing)
Generate room book
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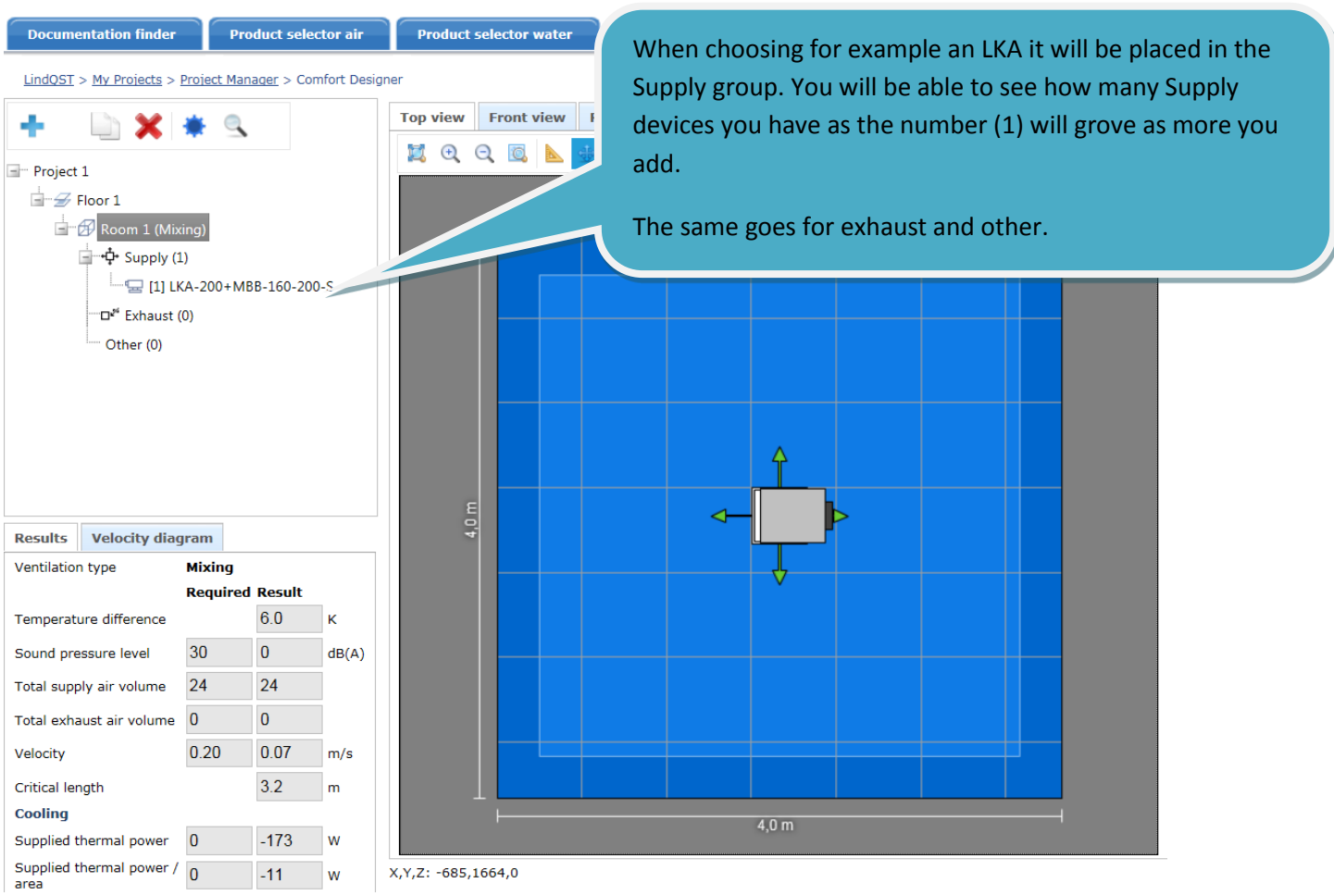
4.8 Add products to a room

When you add a product into the room it will be placed into different groups of categories. Some are supply products, some are exhaust. If there are products there are outside of the categories it is places on other



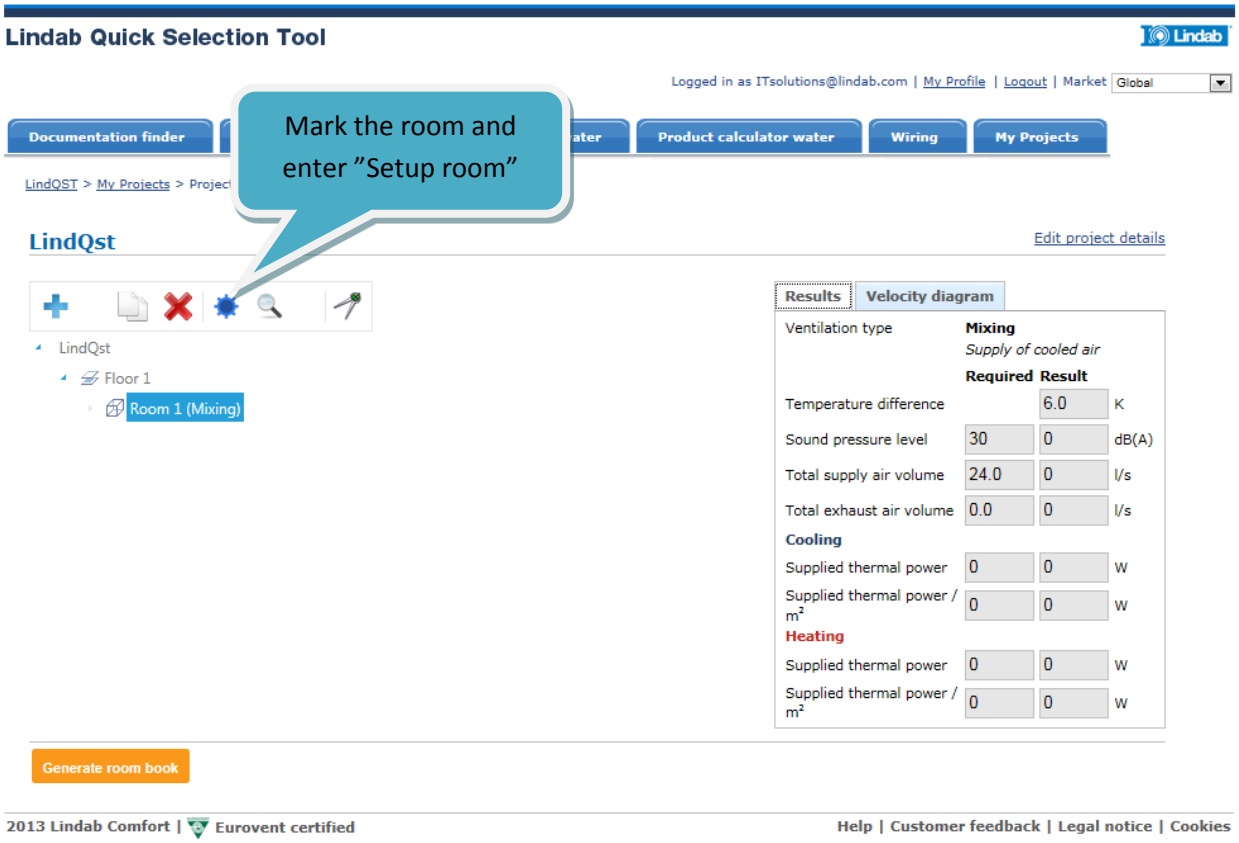
When choosing for example an LKA it will be placed in the Supply group. You will be able to see how many Supply devices you have as the number (1) will grove as more you add.

The same goes for exhaust and other.

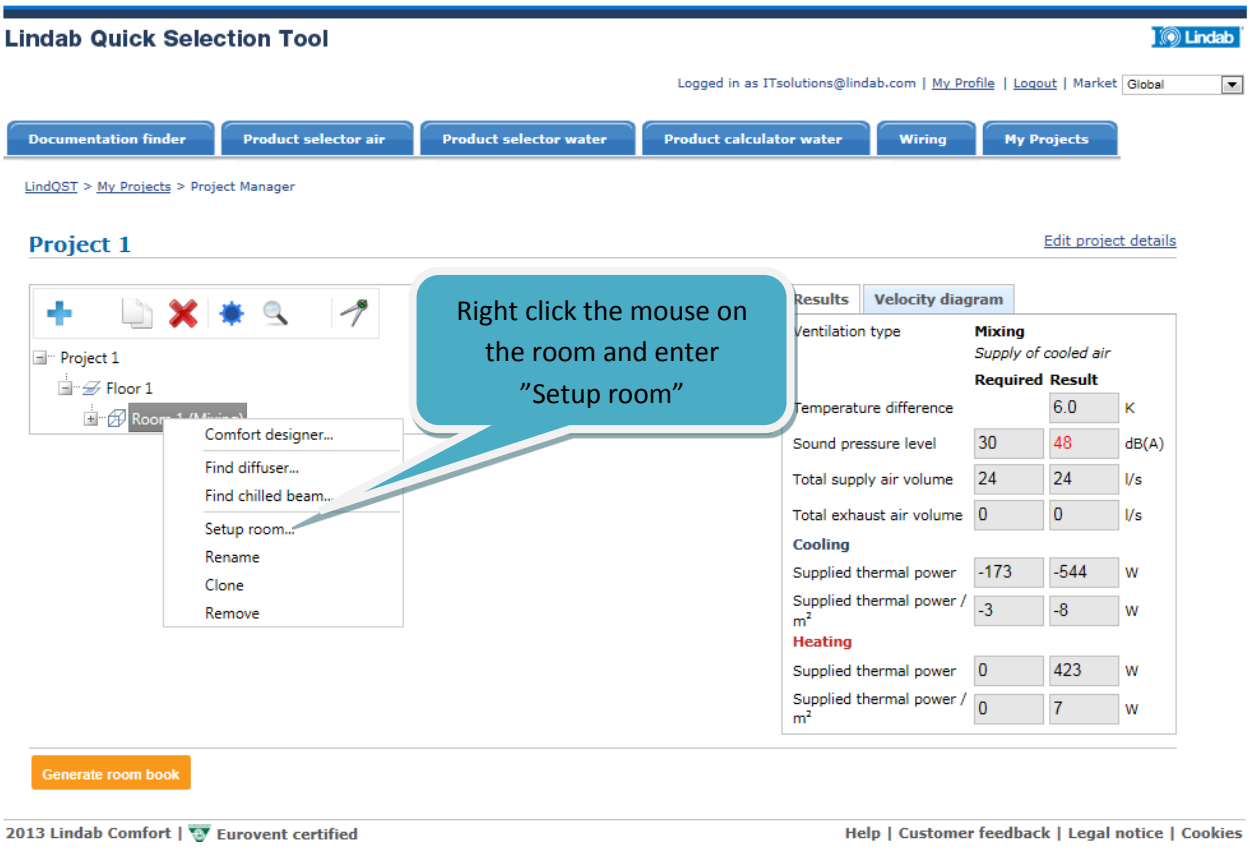
5 Setup Room:

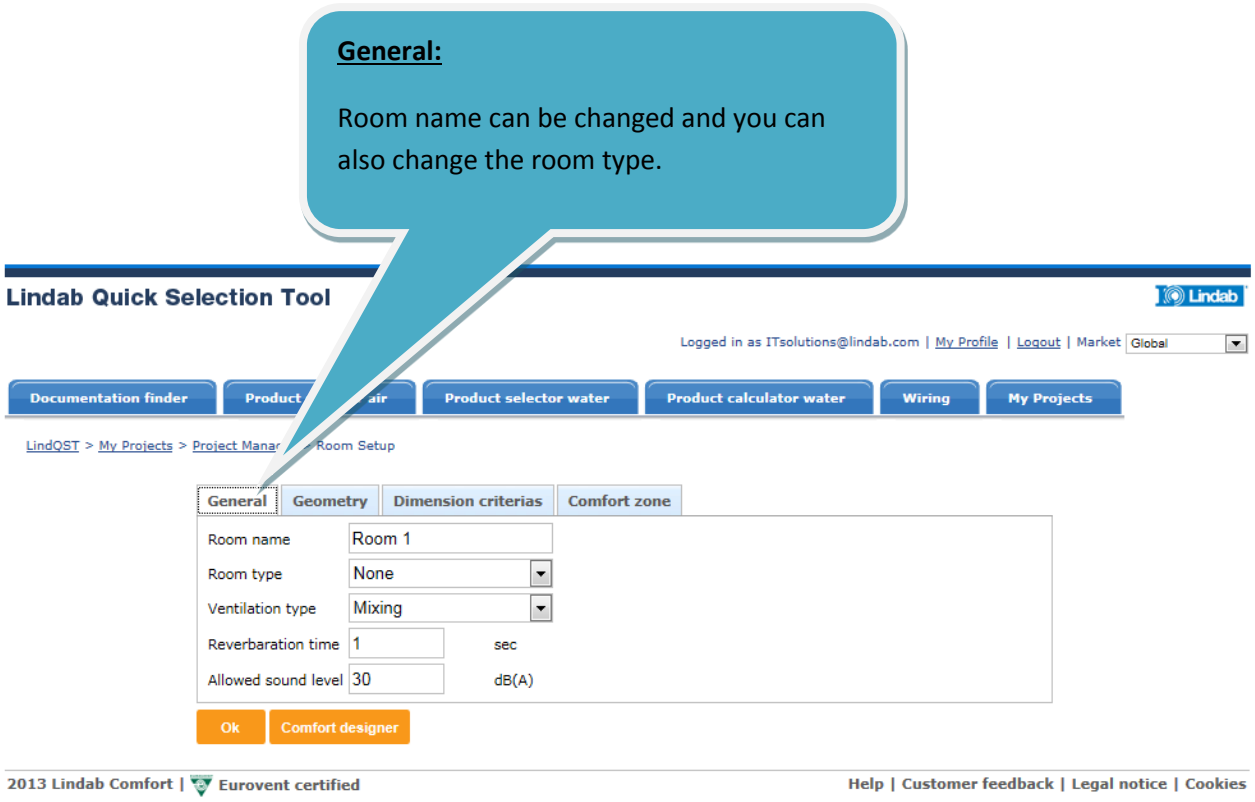
Here you can customize the room as you want. You can set the length, high, comfort zone and high of false ceiling.

5.1 Create a squared room:



Or


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Right click the mouse on the room and enter "Setup room"
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference
6.0 K
Sound pressure level
30 48 dB(A)
Total supply air volume
24 24 l/s
Total exhaust air volume
0 0 l/s
Cooling
Supplied thermal power
-173 -544 W
Supplied thermal power / m²
-3 -8 W
Heating
Supplied thermal power
0 423 W
Supplied thermal power / m²
0 7 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies


General:
Room name can be changed and you can also change the room type.
Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manar > Room Setup
General
Geometry
Dimension criterias
Comfort zone
Room name
Room 1
Room type
None
Ventilation type
Mixing
Reverbaration time
1
sec
Allowed sound level
30
dB(A)
Ok
Comfort designer
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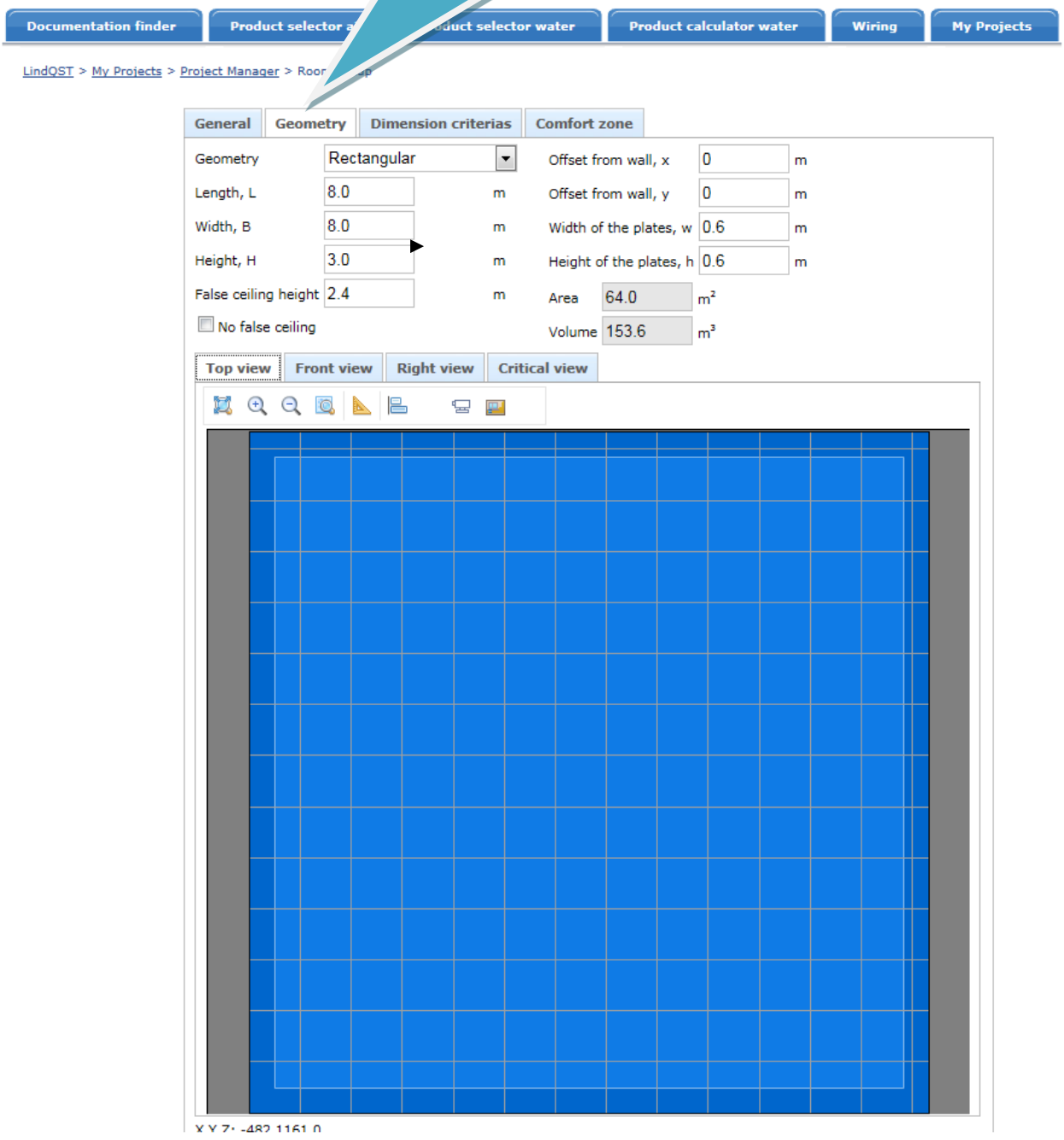
Geometry:

Here you can enter the size of the room, set the high of the false ceiling and change the size of the false ceiling.

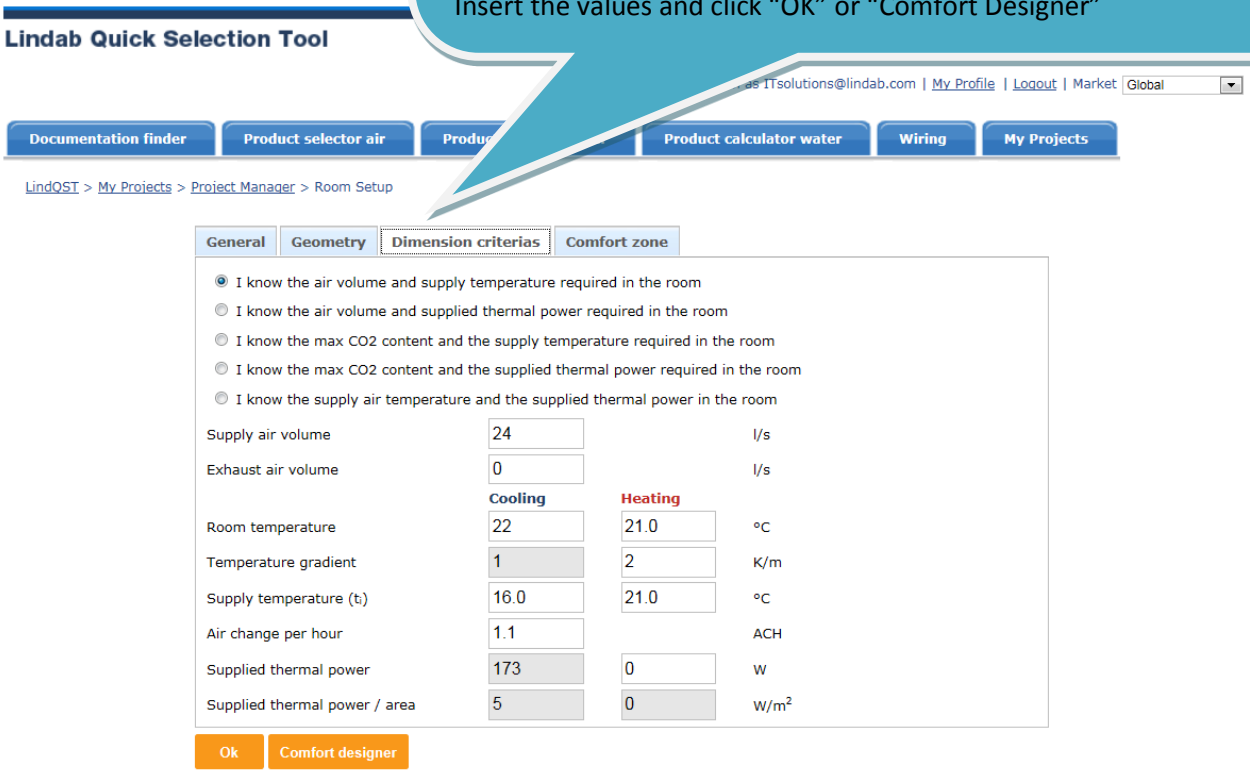
Click “OK” or “Comfort designer” in the bottom when you are finish.

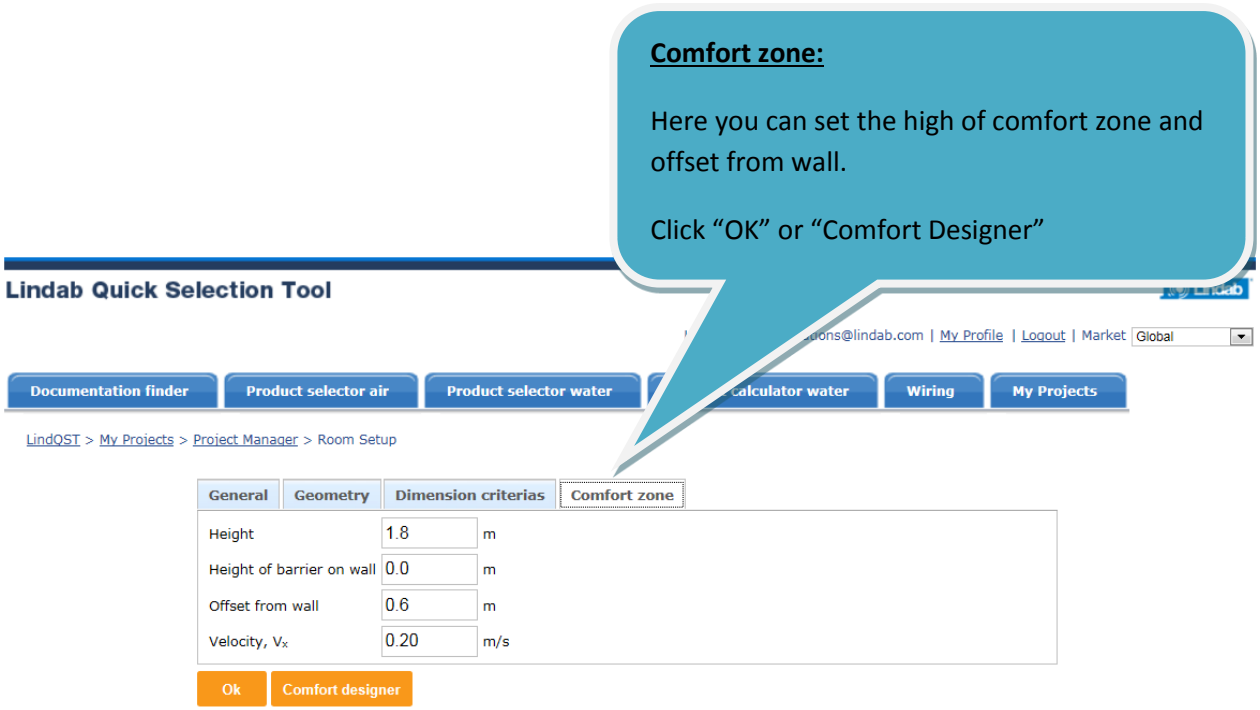


Dimension criterias:

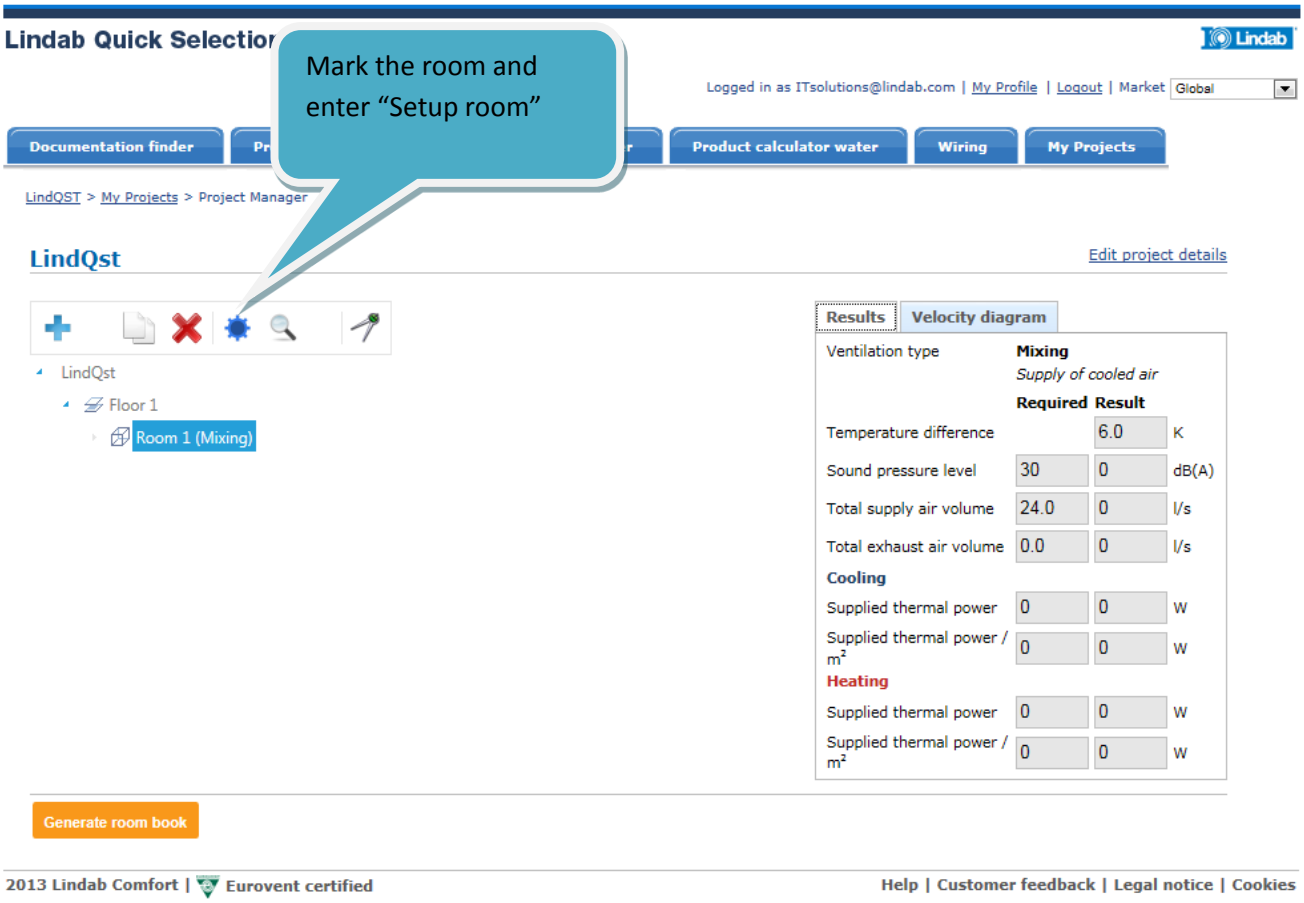
Depending on whether you are doing the dimension in order to remove the heat loads in the room or in order to obtain the demand for fresh air with regards to content of CO2 and depending on which information you have, you can choose between the five different dimension criteria.

Insert the values and click “OK” or “Comfort Designer”

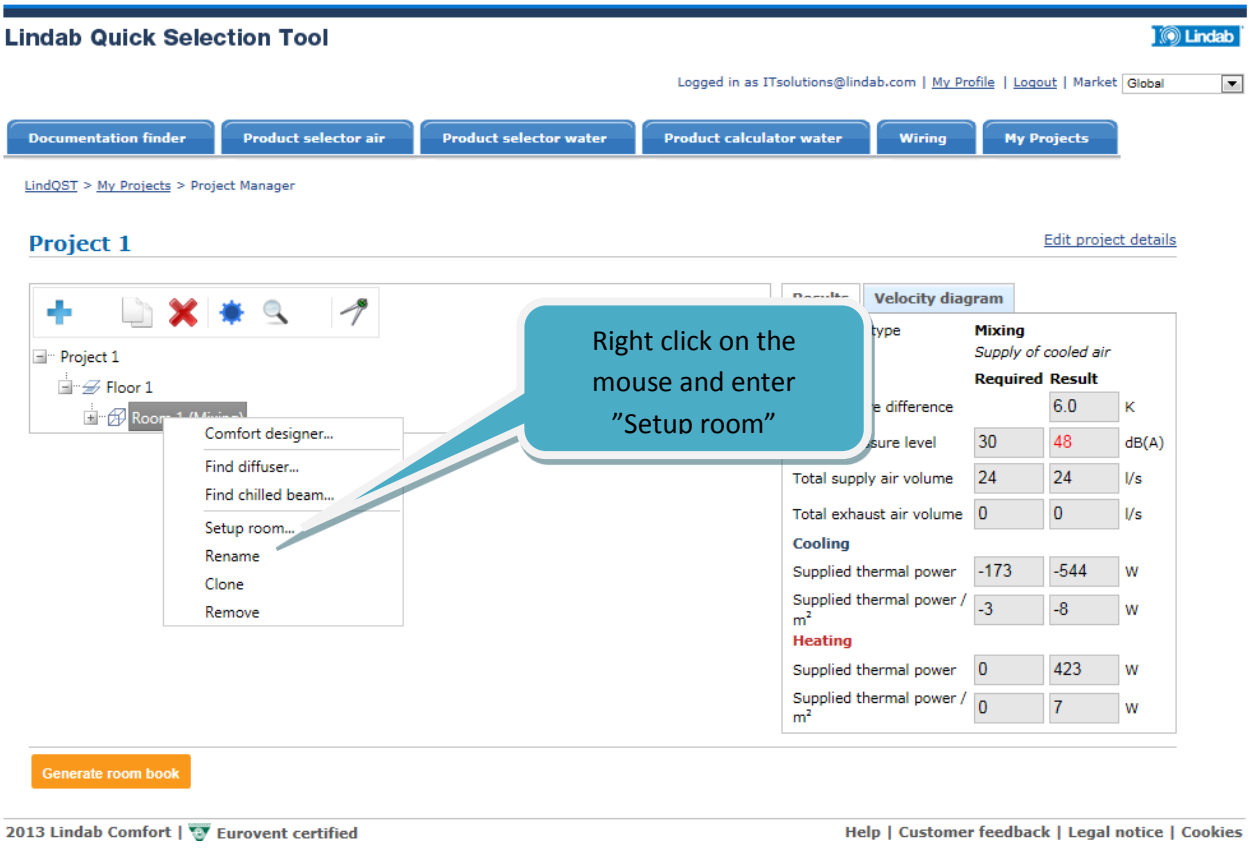

Lindab Quick Selection Tool
ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Room Setup
General
Geometry
Dimension criterias
Comfort zone
I know the air volume and supply temperature required in the room
I know the air volume and supplied thermal power required in the room
I know the max CO2 content and the supply temperature required in the room
I know the max CO2 content and the supplied thermal power required in the room
I know the supply air temperature and the supplied thermal power in the room
Supply air volume 24 l/s
Exhaust air volume 0 l/s
Cooling
Heating
Room temperature 22 21.0 °C
Temperature gradient 1 2 K/m
Supply temperature (t1) 16.0 21.0 °C
Air change per hour 1.1 ACH
Supplied thermal power 173 0 W
Supplied thermal power / area 5 0 W/m2
Ok
Comfort designer

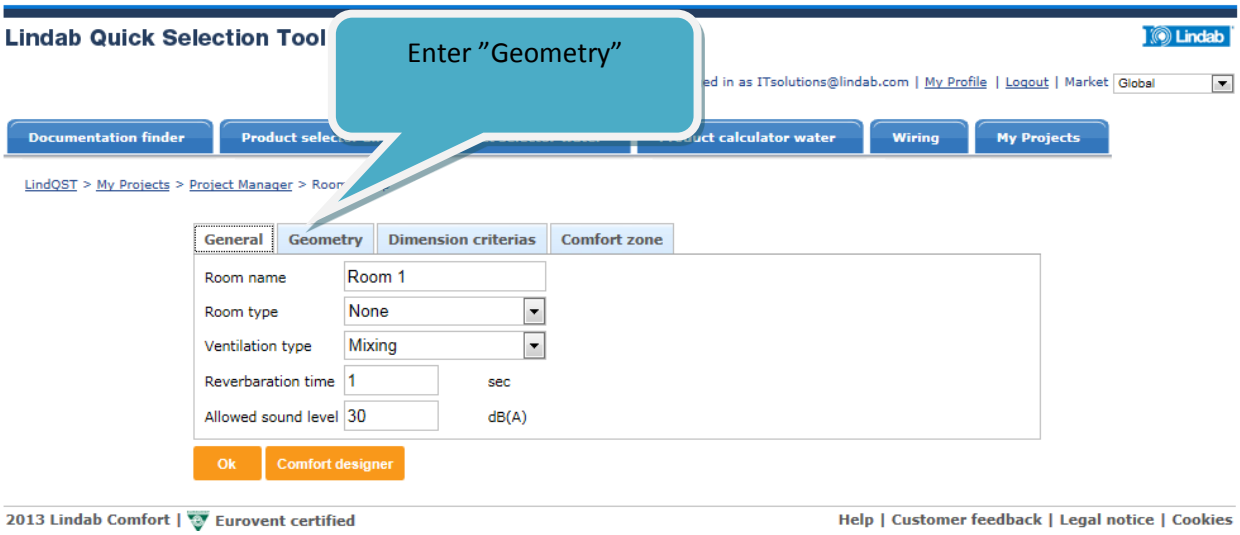

Comfort zone:
Here you can set the high of comfort zone and offset from wall.
Click “OK” or “Comfort Designer”
Lindab Quick Selection Tool
My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Wiring
My Projects
LindQST > My Projects > Project Manager > Room Setup
General
Geometry
Dimension criterias
Comfort zone
Height 1.8 m
Height of barrier on wall 0.0 m
Offset from wall 0.6 m
Velocity, Vx 0.20 m/s
Ok
Comfort designer

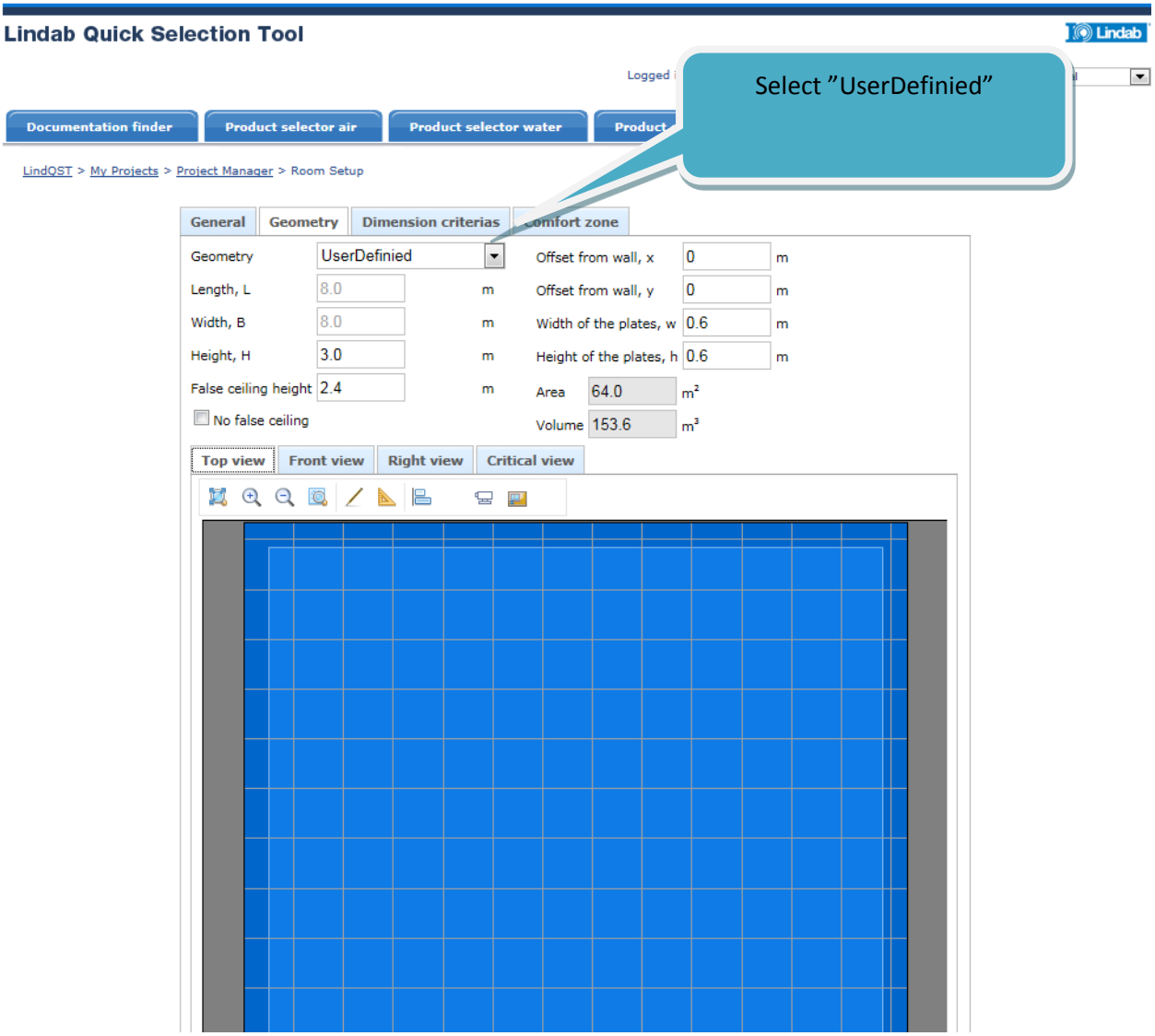
5.2 *Create a user defined room geometry*

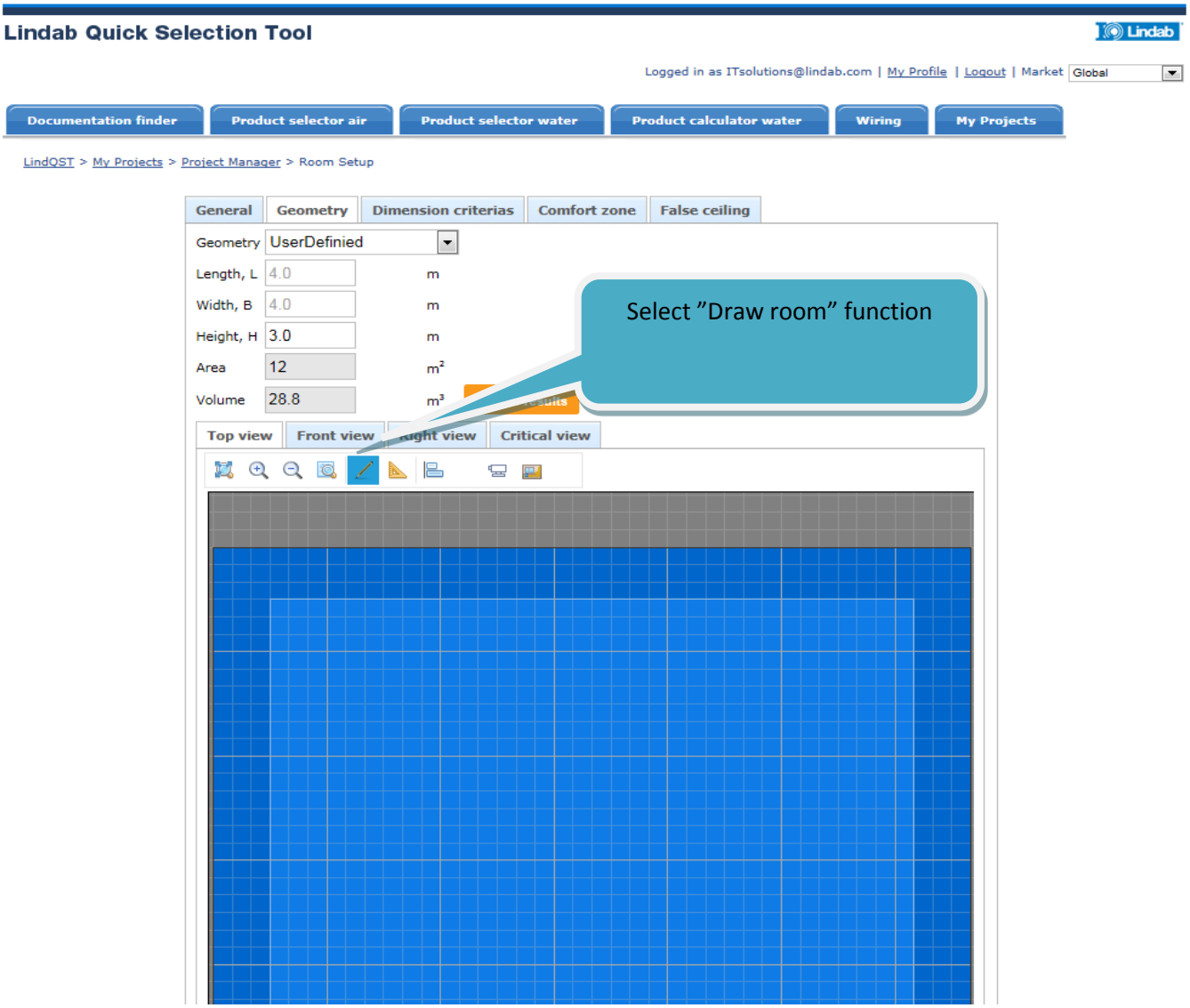

Lindab Quick Selectior
Mark the room and enter “Setup room”
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
LindQst
Edit project details
LindQst
Floor 1
Room 1 (Mixing)
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24.0 0 l/s
Total exhaust air volume 0.0 0 l/s
Cooling
Supplied thermal power 0 0 W
Supplied thermal power / m² 0 0 W
Heating
Supplied thermal power 0 0 W
Supplied thermal power / m² 0 0 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies

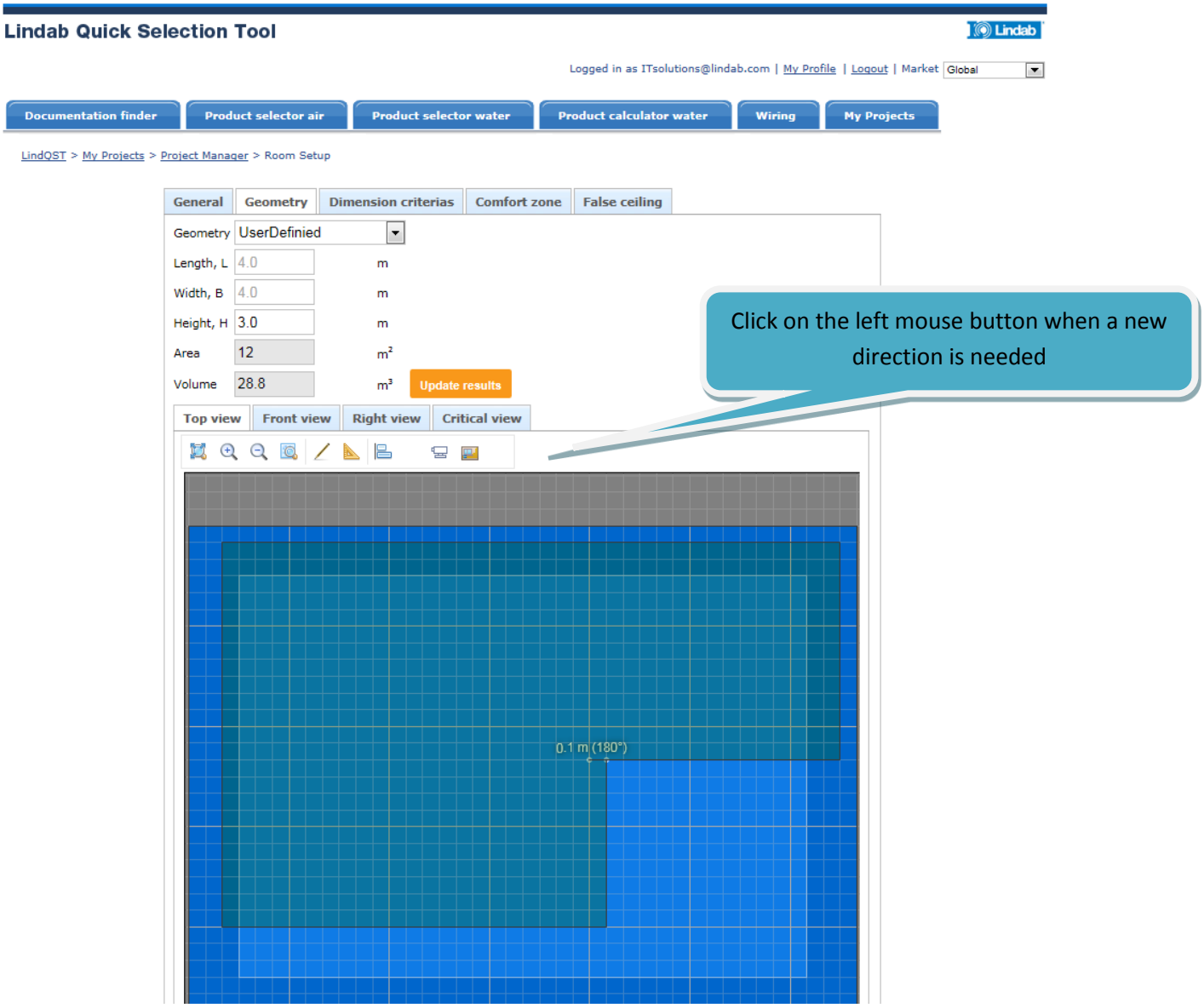
Or


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Right click on the mouse and enter "Setup room"
Velocity diagram
Mixing
Supply of cooled air
Required Result
difference 6.0 K
sure level 30 48 dB(A)
Total supply air volume 24 24 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power -173 -544 W
Supplied thermal power / m² -3 -8 W
Heating
Supplied thermal power 0 423 W
Supplied thermal power / m² 0 7 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies


Lindab Quick Selection Tool
Enter "Geometry"
Documentation finder
Wiring
My Projects
LindQST > My Projects > Project Manager
General
Geometry
Dimension criterias
Comfort zone
Room name Room 1
Room type None
Ventilation type Mixing
Reverbaration time 1 sec
Allowed sound level 30 dB(A)
Ok
Comfort designer
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies


Lindab Quick Selection Tool
Select ”UserDefinied”
Documentation finder
Product selector air
Product selector water
LindQST > My Projects > Project Manager > Room Setup
General
Geometry
Dimension criterias
Comfort zone
Geometry
UserDefinied
Length, L
8.0
m
Width, B
8.0
m
Height, H
3.0
m
False ceiling height
2.4
m
No false ceiling
Offset from wall, x
0
m
Offset from wall, y
0
m
Width of the plates, w
0.6
m
Height of the plates, h
0.6
m
Area
64.0
m²
Volume
153.6
m³
Top view
Front view
Right view
Critical view


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Room Setup
General
Geometry
Dimension criterias
Comfort zone
False ceiling
Geometry UserDefinied
Length, L 4.0 m
Width, B 4.0 m
Height, H 3.0 m
Area 12 m²
Volume 28.8 m³
Select ”Draw room” function
Top view
Front view
Critical view



Special Features:

Ctrl to make 45 and 90 degree.
Shift + left click mouse to undo last line.
ESC to cancel polygon
C to finish polygon

Click “OK” or “Comfort Designer” when finished.

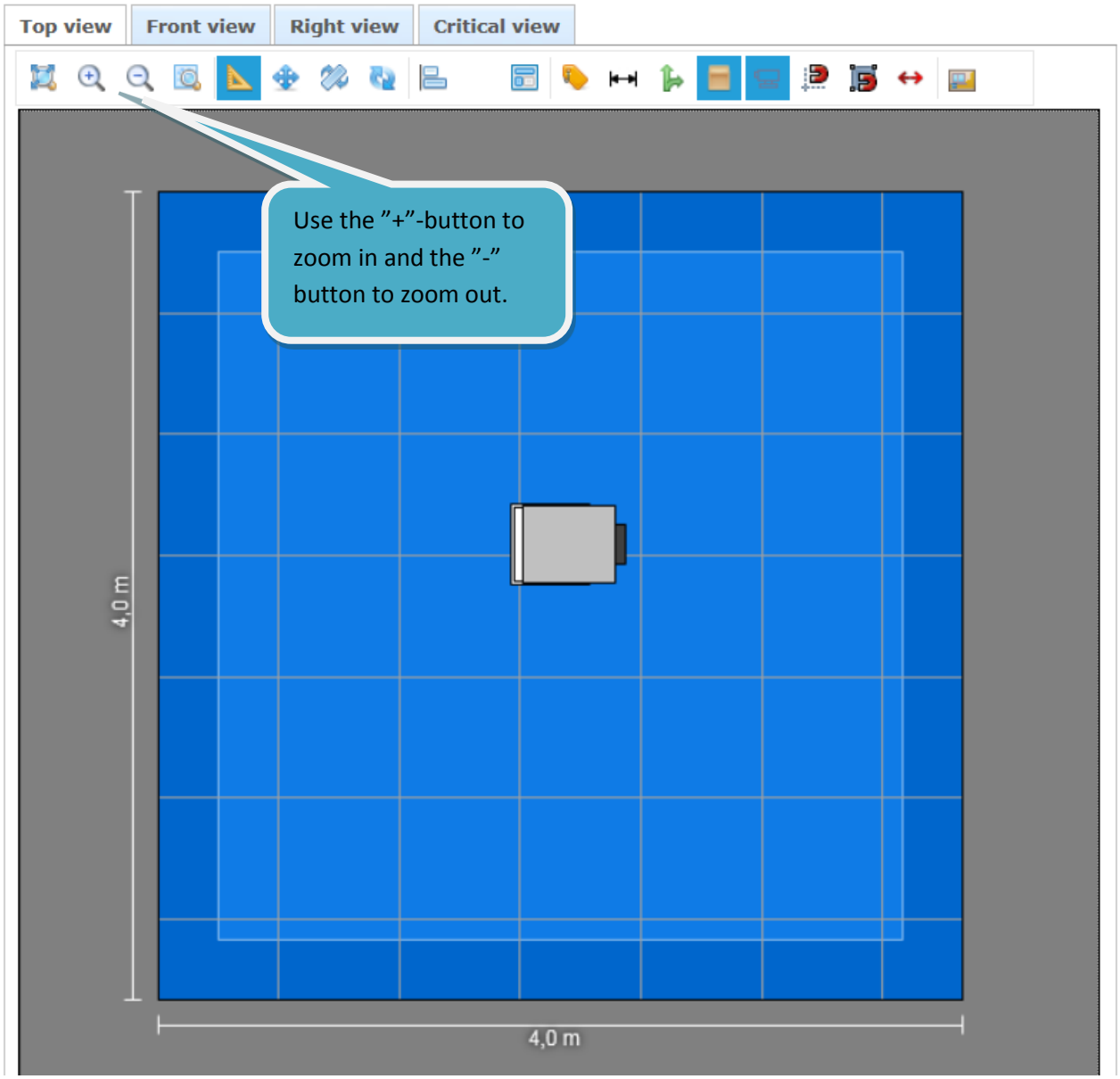
6 Comfort Designer:

Toolbar:

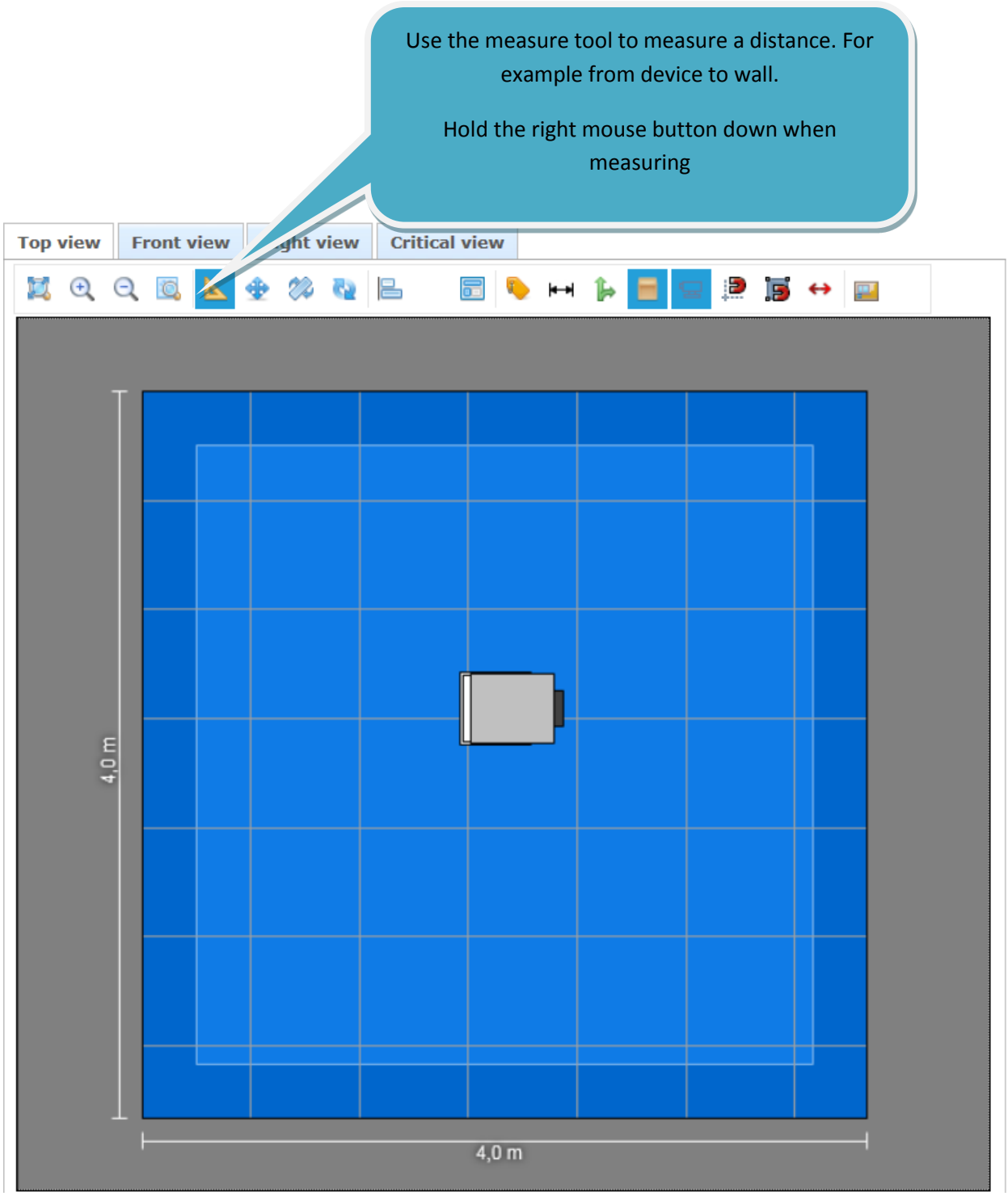
When using the Comfort Designer there are many different tools to work with.

Let us go through the toolbar

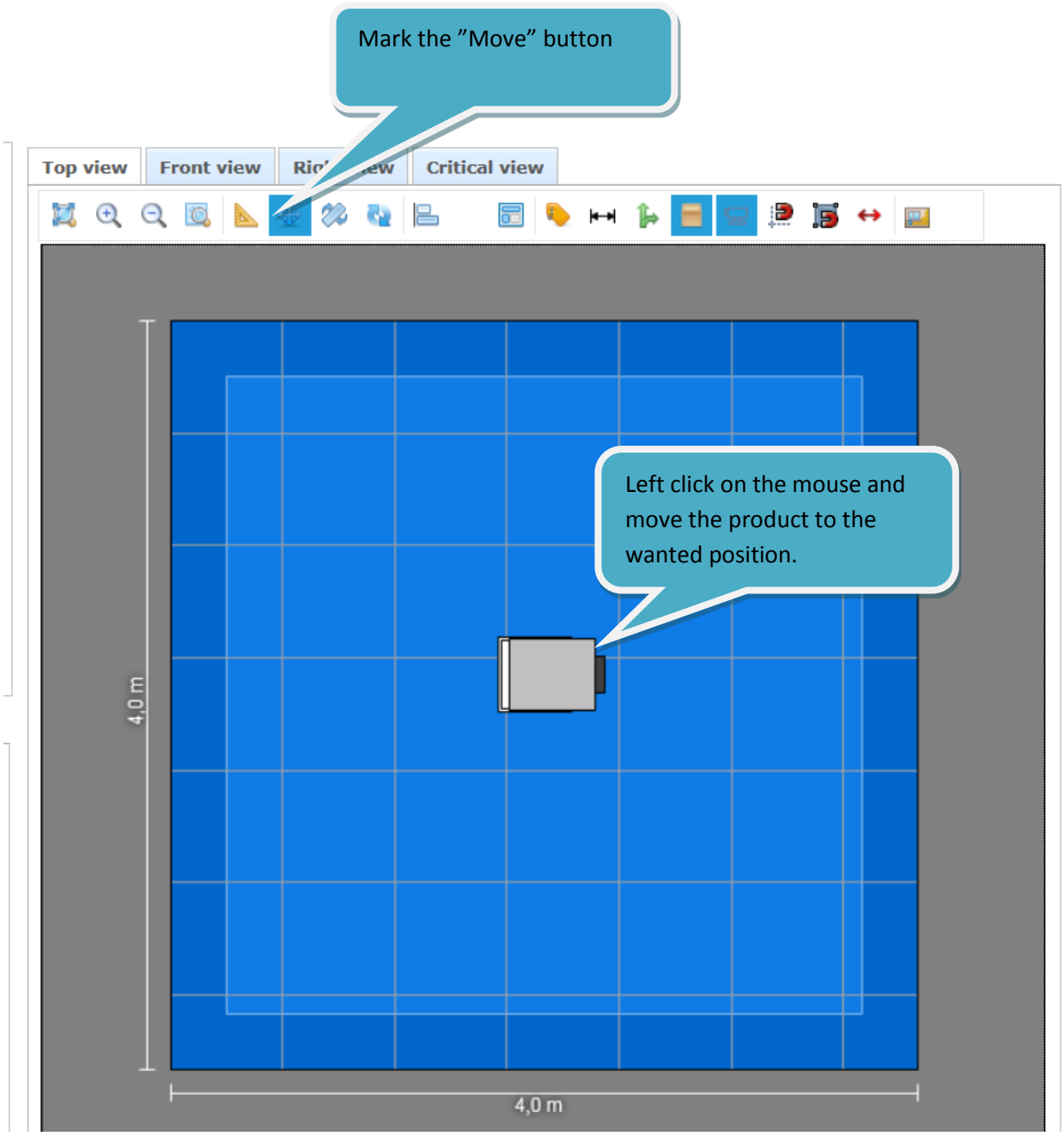
6.1 Zoom:

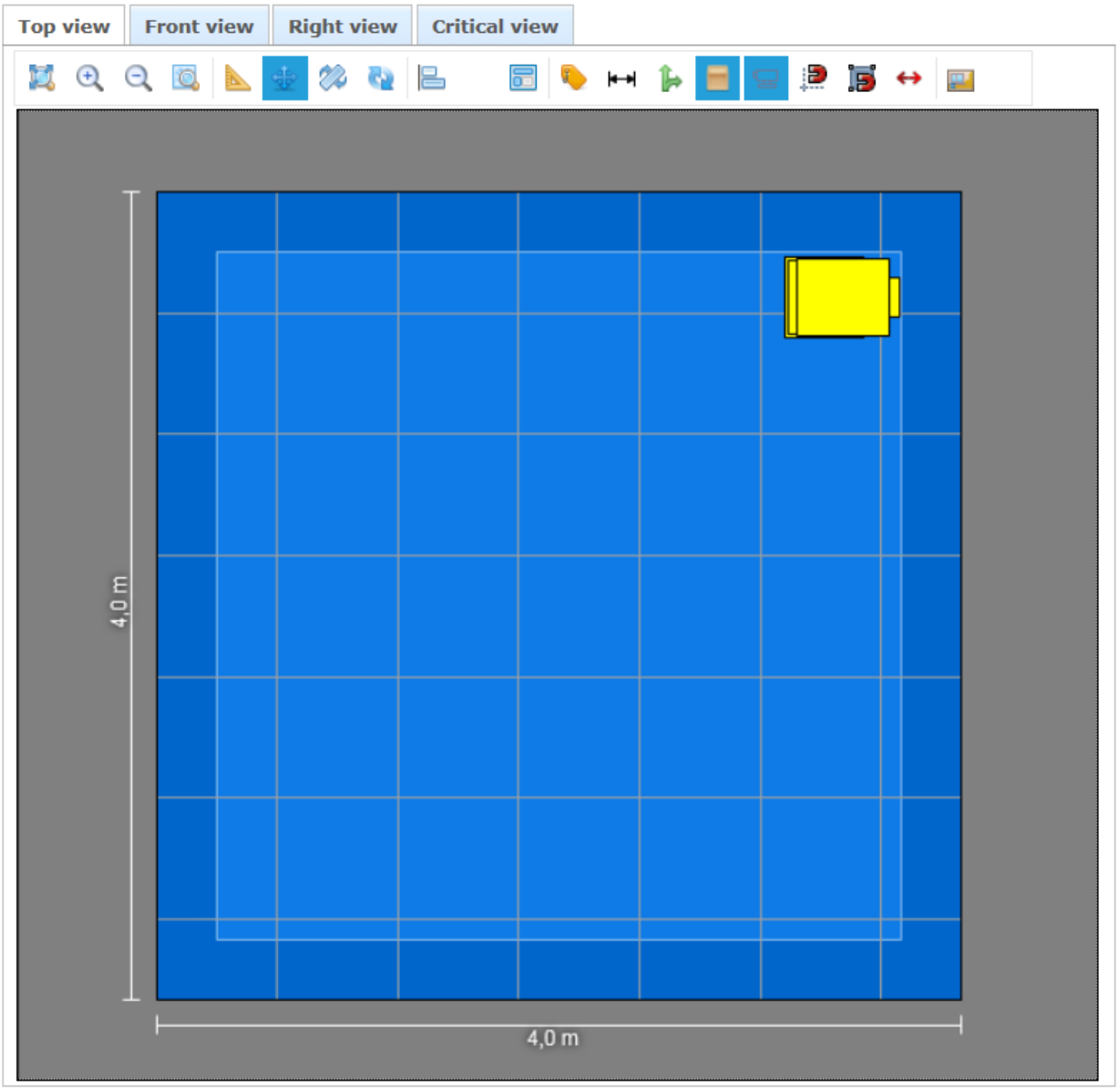


6.2 *Measure Distance:*


Use the measure tool to measure a distance. For example from device to wall.
Hold the right mouse button down when measuring
Top view
Front view
Critical view
4,0 m
4,0 m

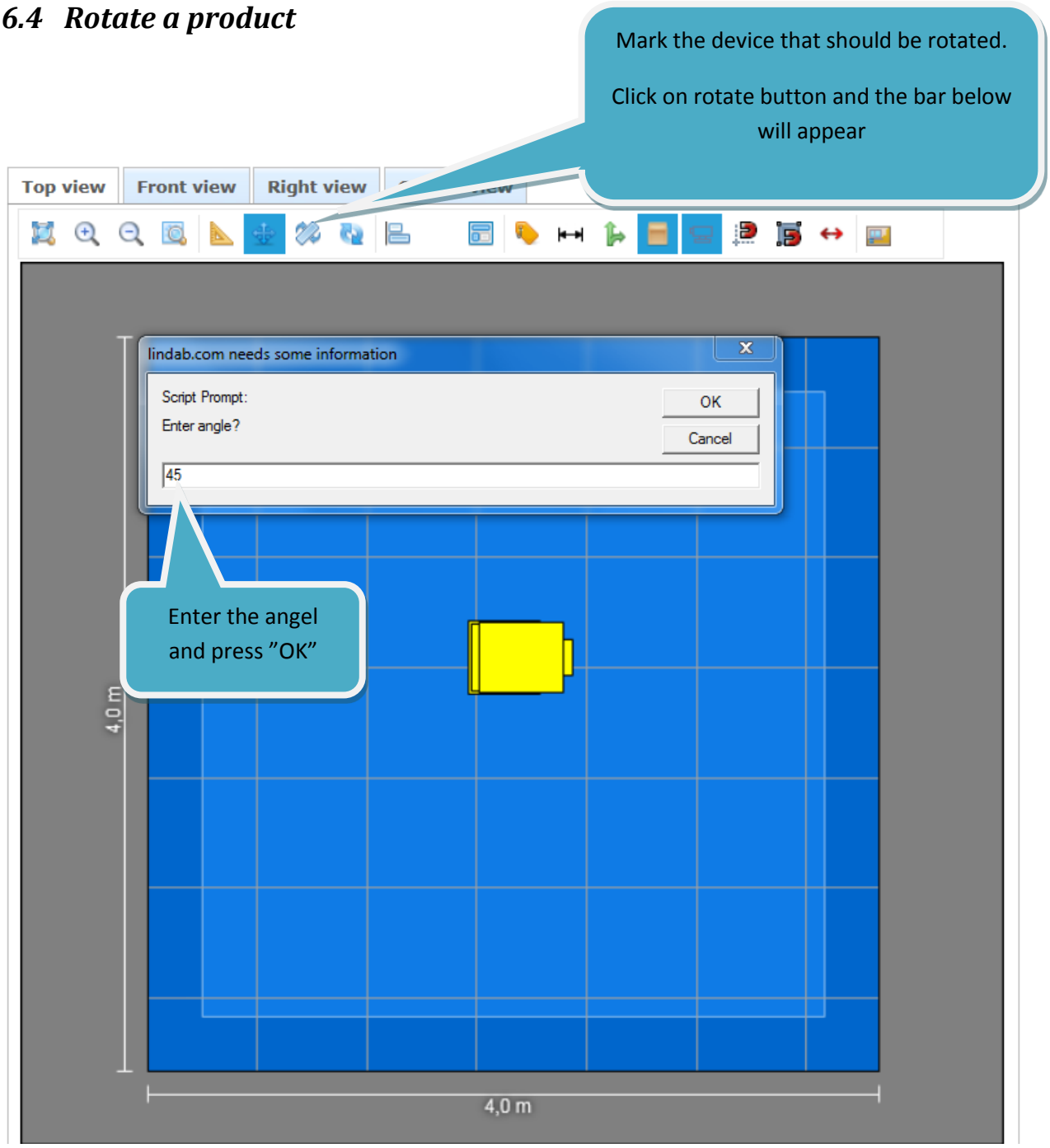
6.3 Move a product:

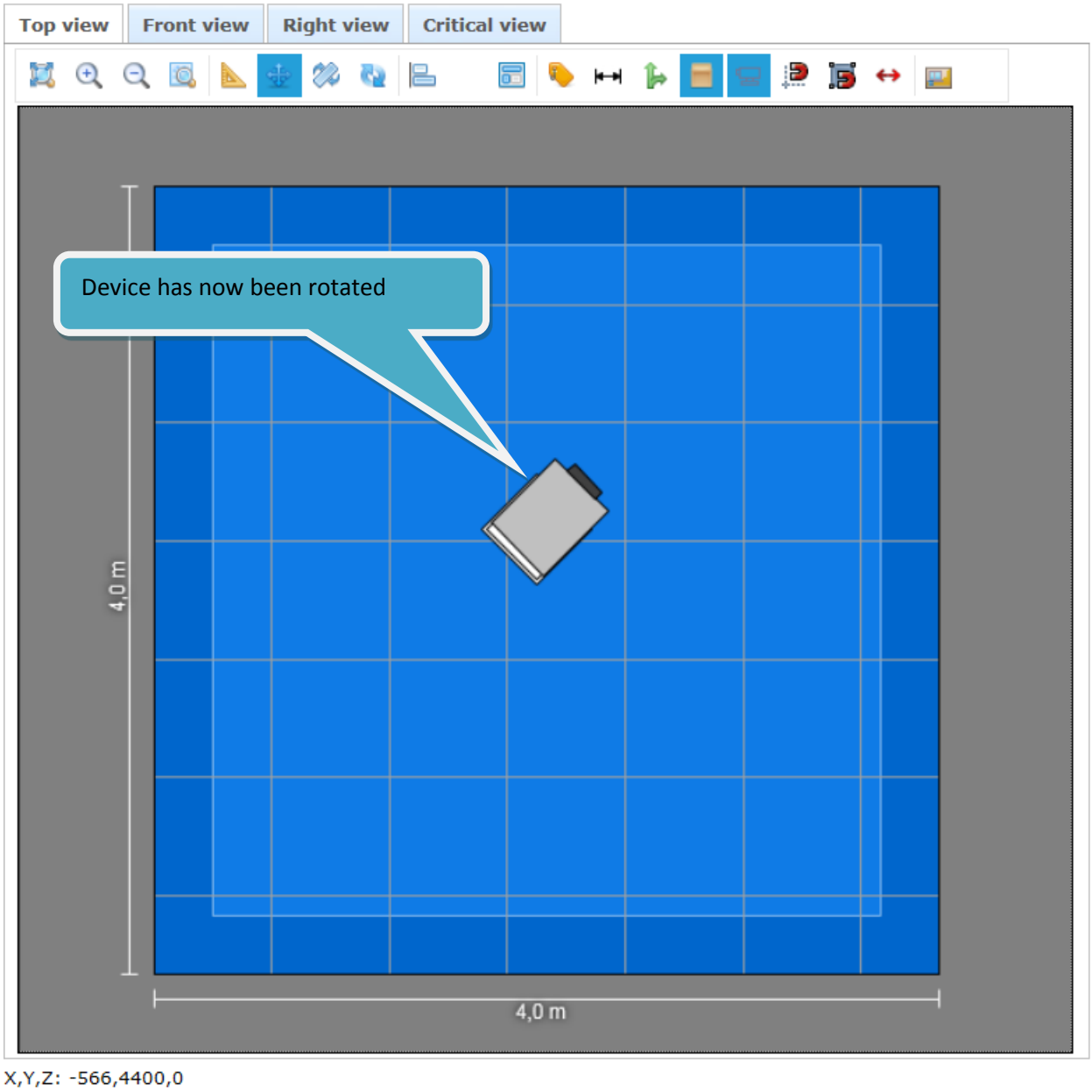




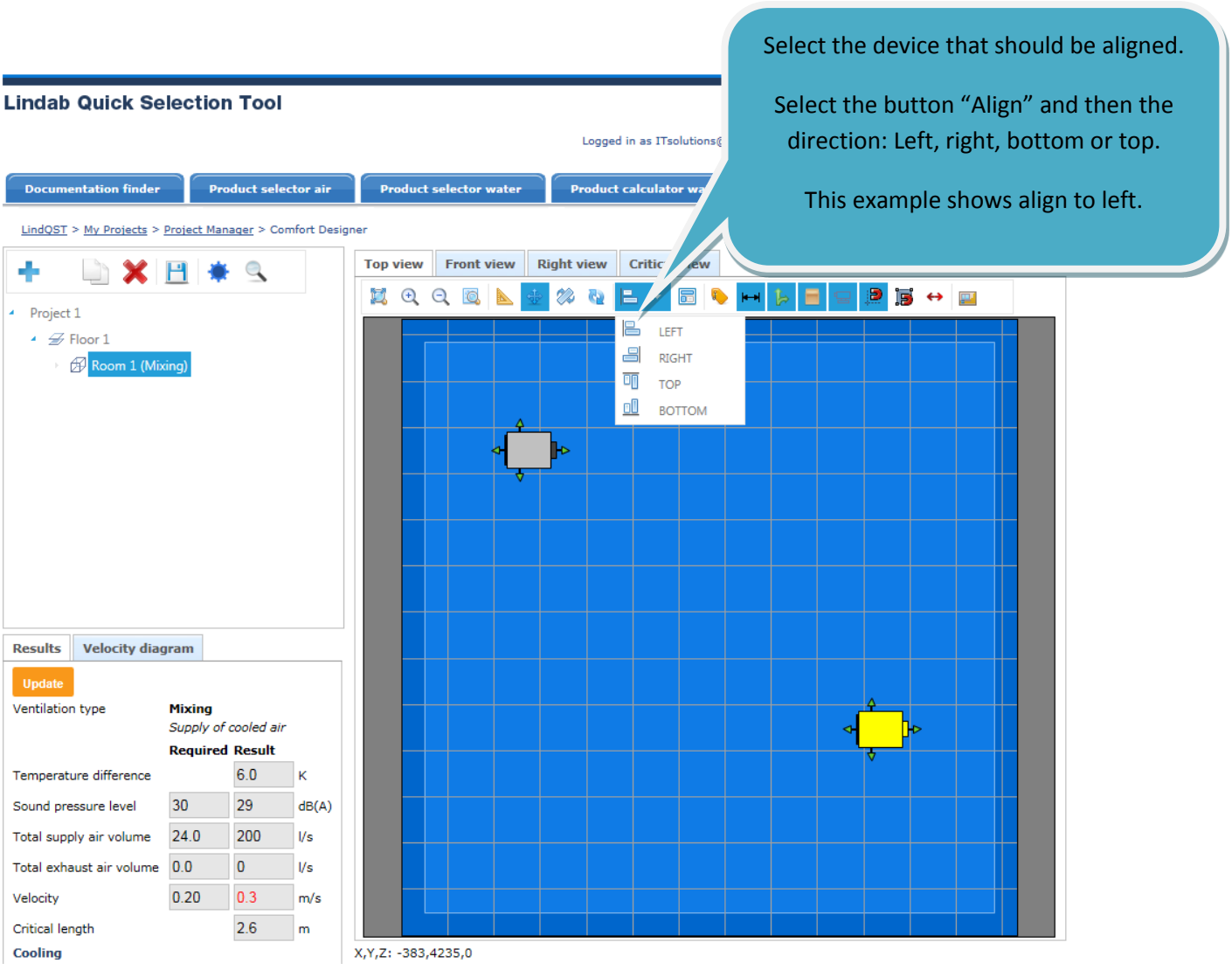
X,Y,Z: -600,1359,0

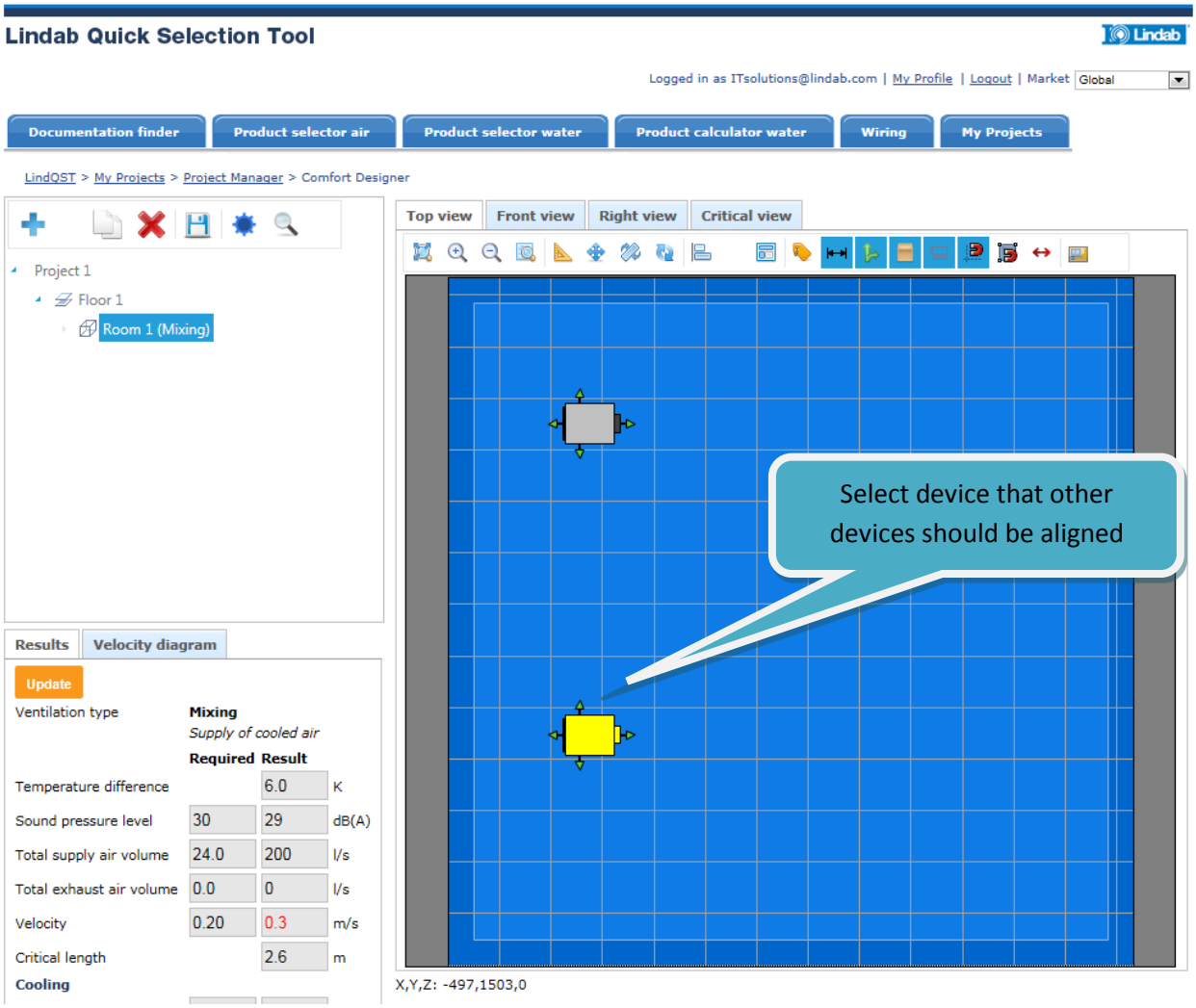
6.4 *Rotate a product*



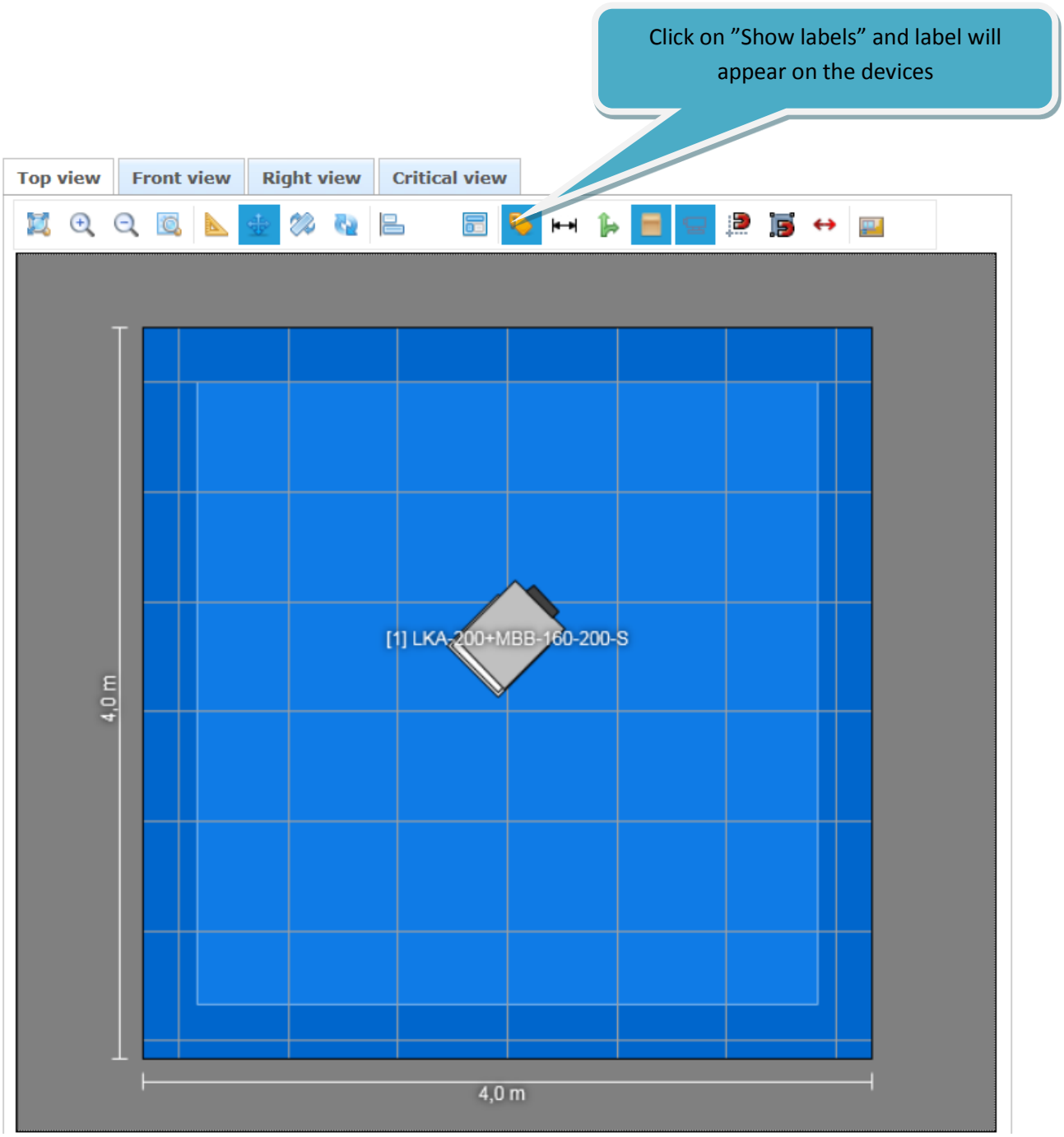

Top view
Front view
Right view
Critical view
Device has now been rotated
4,0 m
4,0 m
X,Y,Z: -566,4400,0

6.5 *Align a product:*

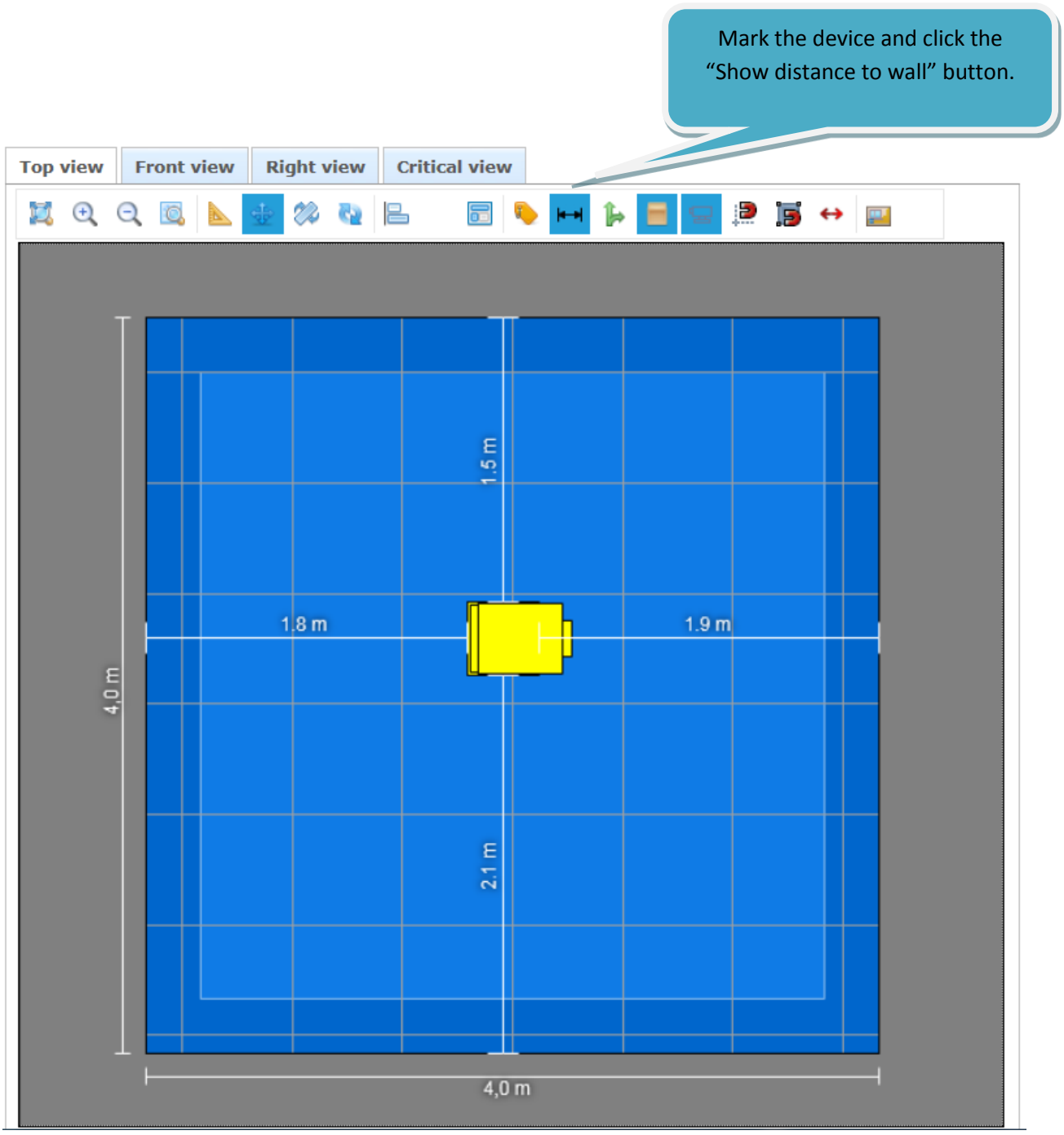



Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Front view
Right view
Critical view
Select device that other devices should be aligned
Results
Velocity diagram
Update
Ventilation type
Mixing
Supply of cooled air
Required
Result
Temperature difference
6.0
K
Sound pressure level
30
29
dB(A)
Total supply air volume
24.0
200
l/s
Total exhaust air volume
0.0
0
l/s
Velocity
0.20
0.3
m/s
Critical length
2.6
m
Cooling
X,Y,Z: -497,1503,0

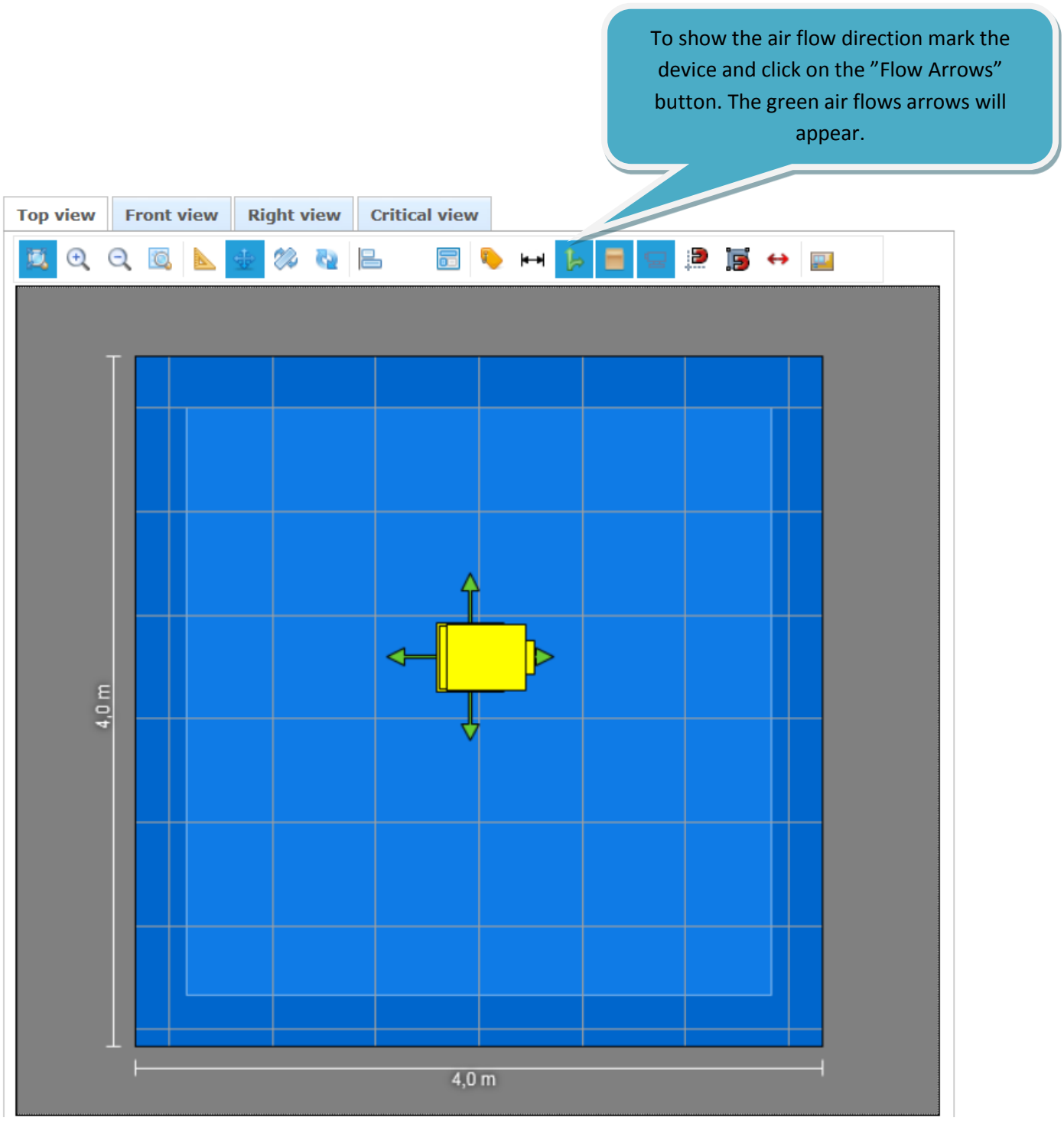
6.6 Show Label:



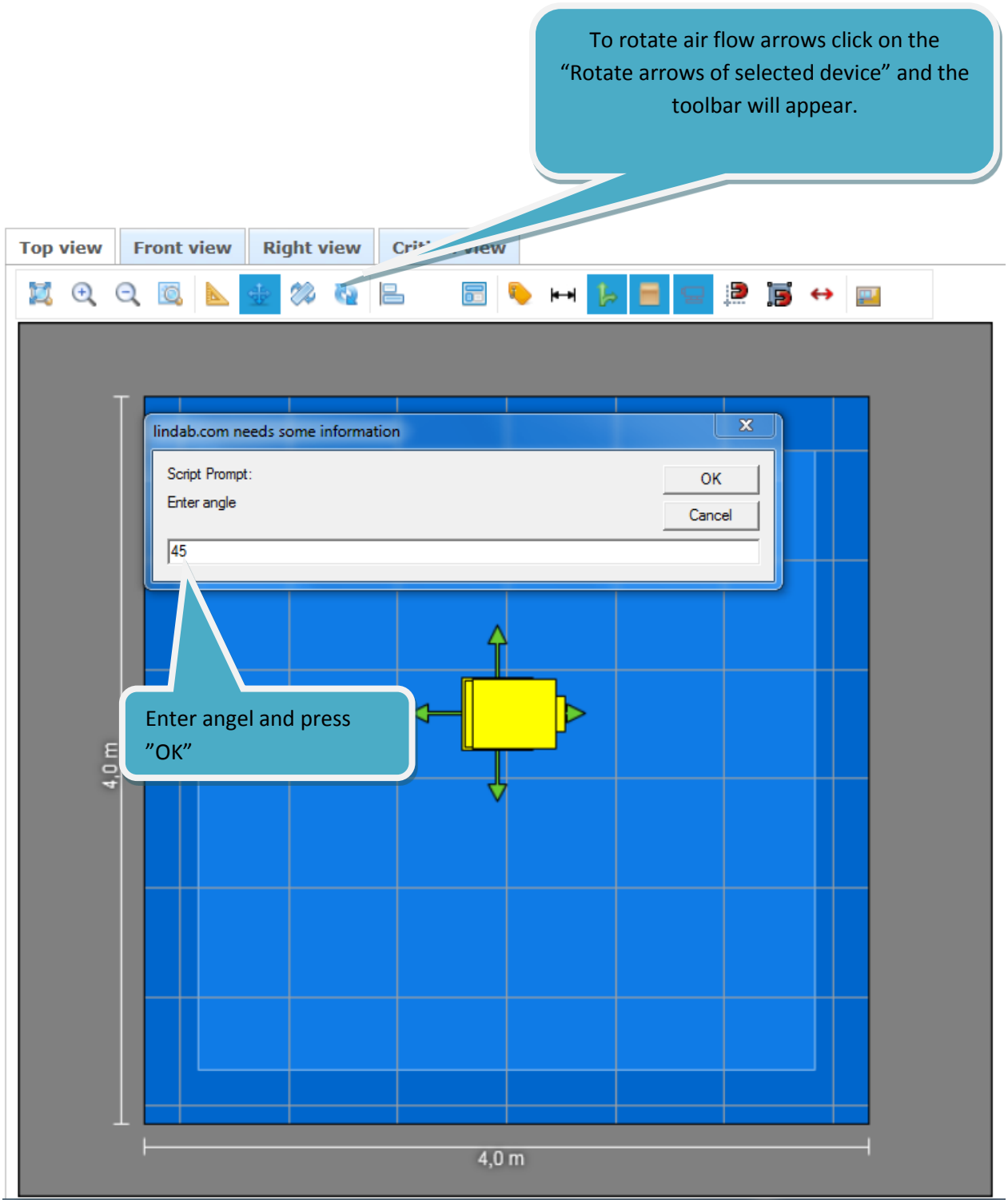
6.7 Show distance to wall:

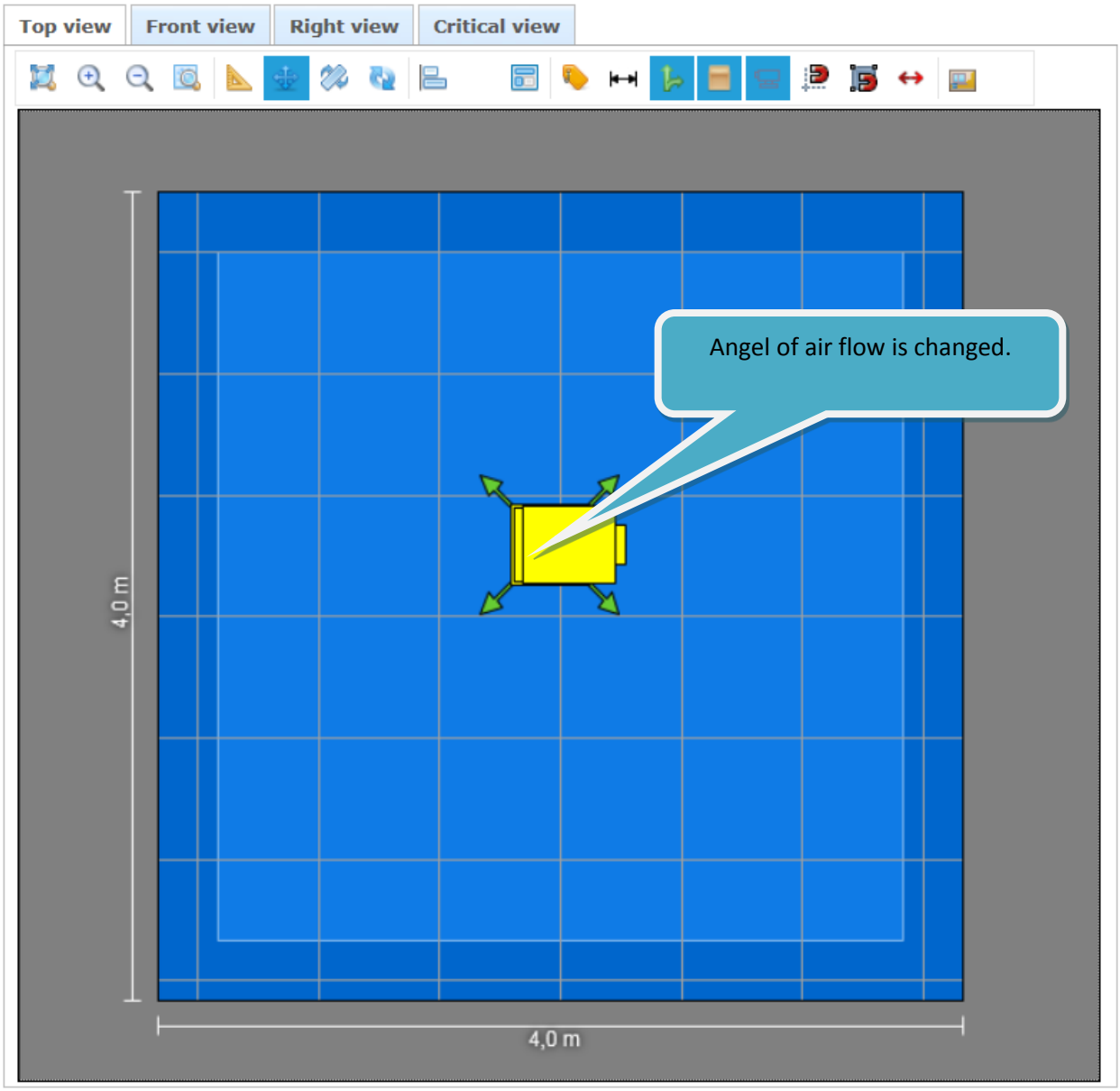


6.8 *Flow Arrows*

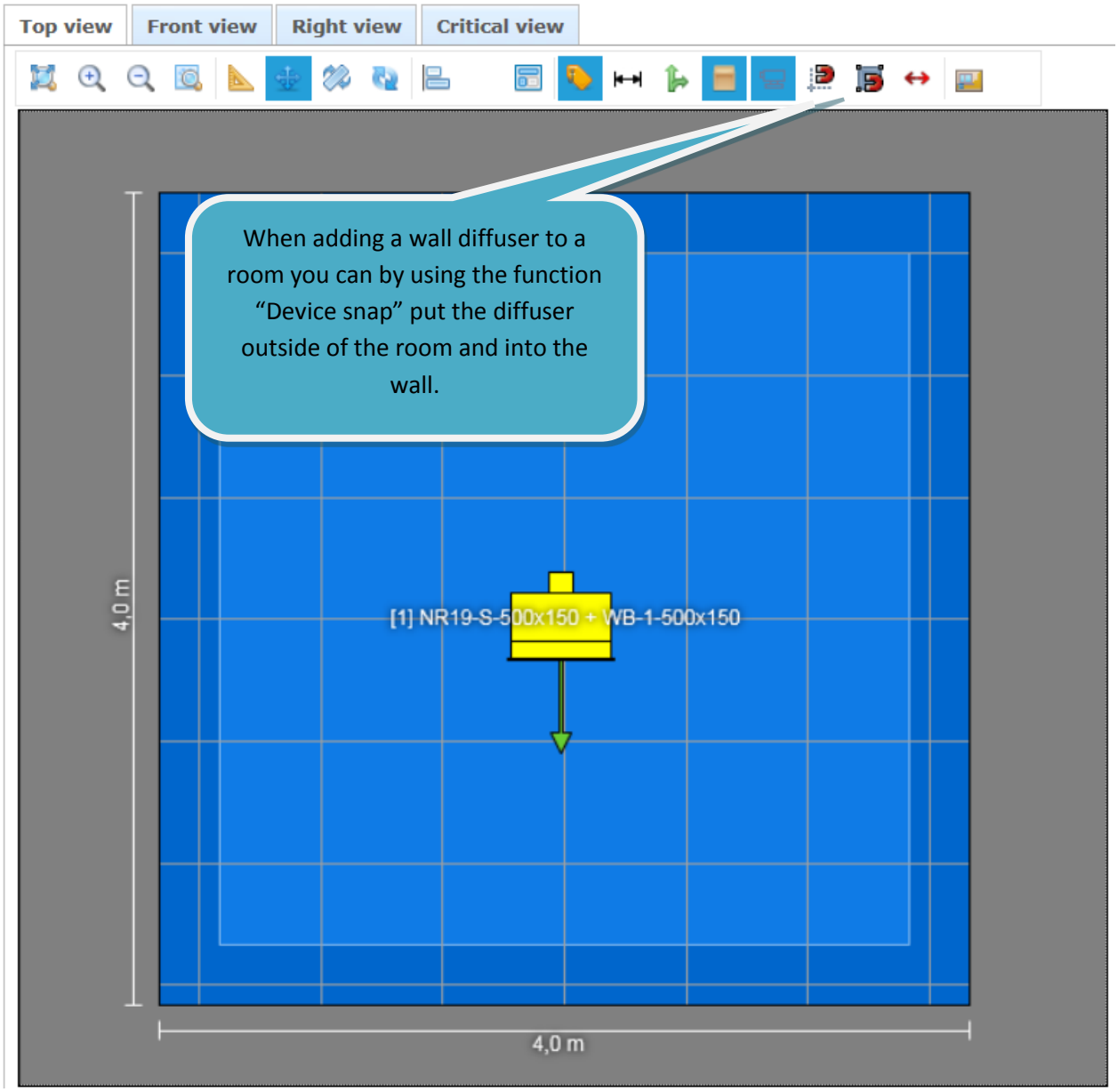

To show the air flow direction mark the device and click on the ”Flow Arrows” button. The green air flows arrows will appear.
Top view
Front view
Right view
Critical view
4,0 m
4,0 m

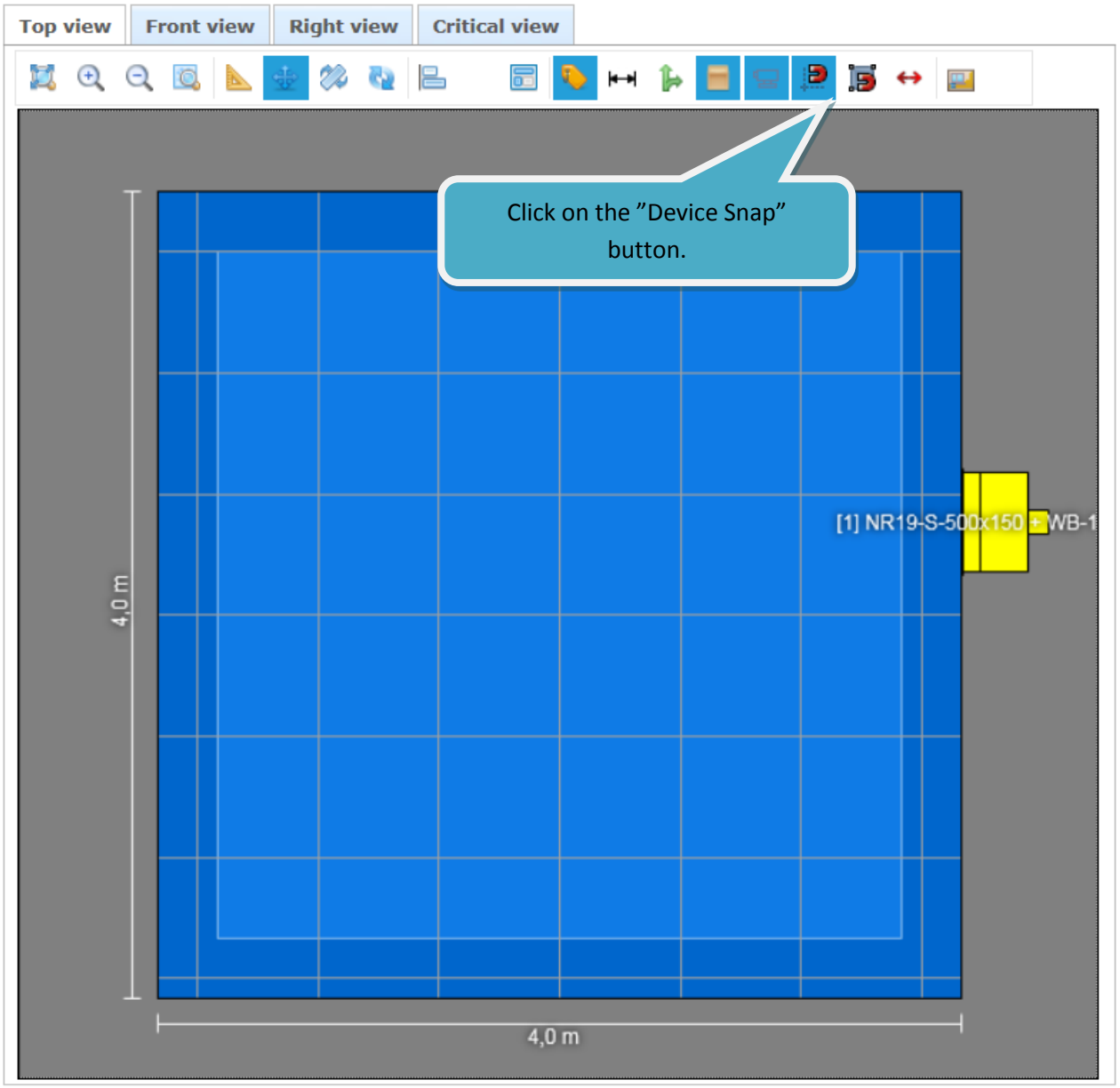
6.9 *Rotate Flow Arrows:*




Top view
Front view
Right view
Critical view
Angel of air flow is changed.
4,0 m
4,0 m

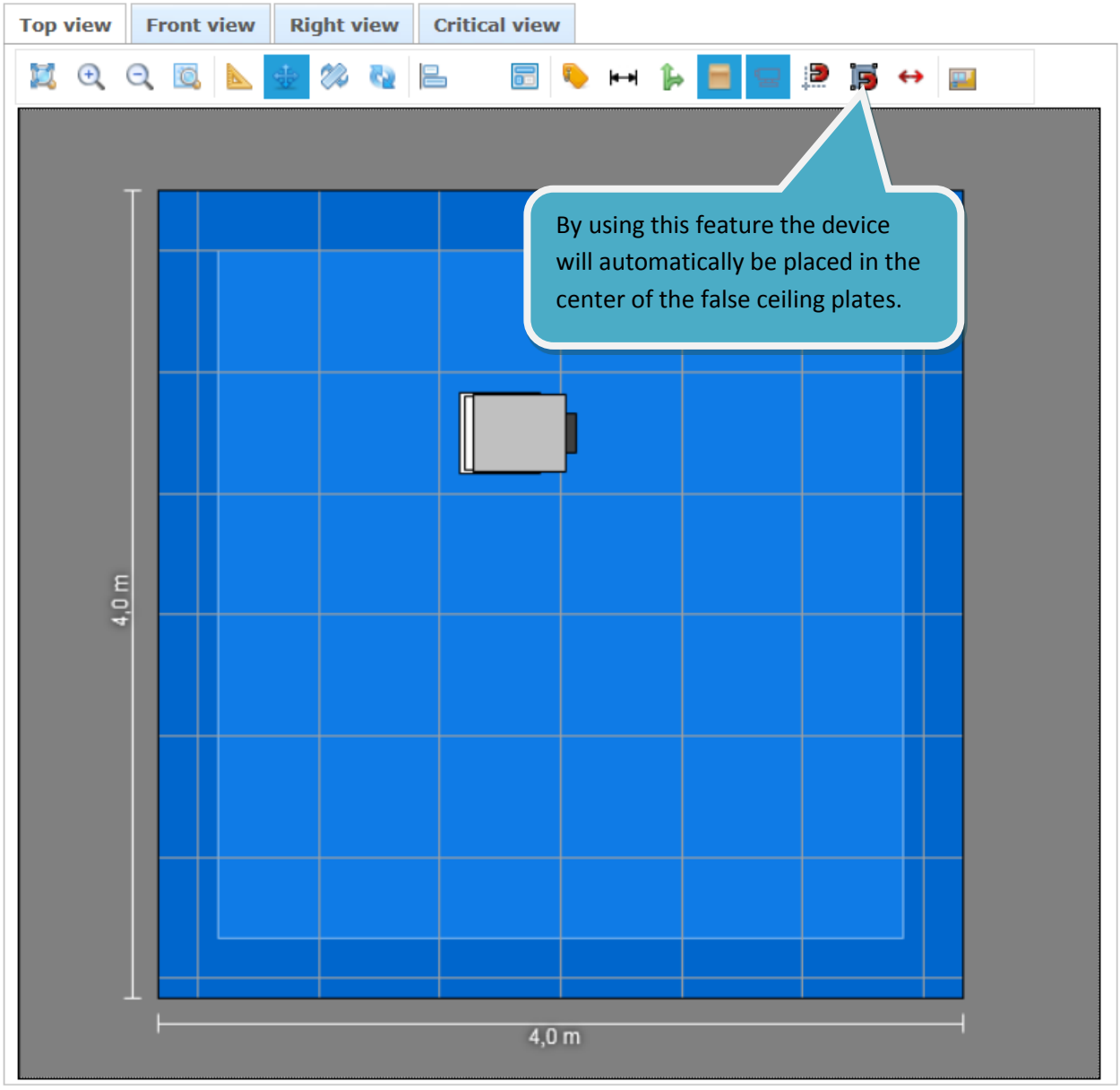
6.10 Device Snap:


Top view
Front view
Right view
Critical view
When adding a wall diffuser to a room you can by using the function “Device snap” put the diffuser outside of the room and into the wall.
[1] NR19-S-500x150 + WB-1-500x150
4,0 m
4,0 m

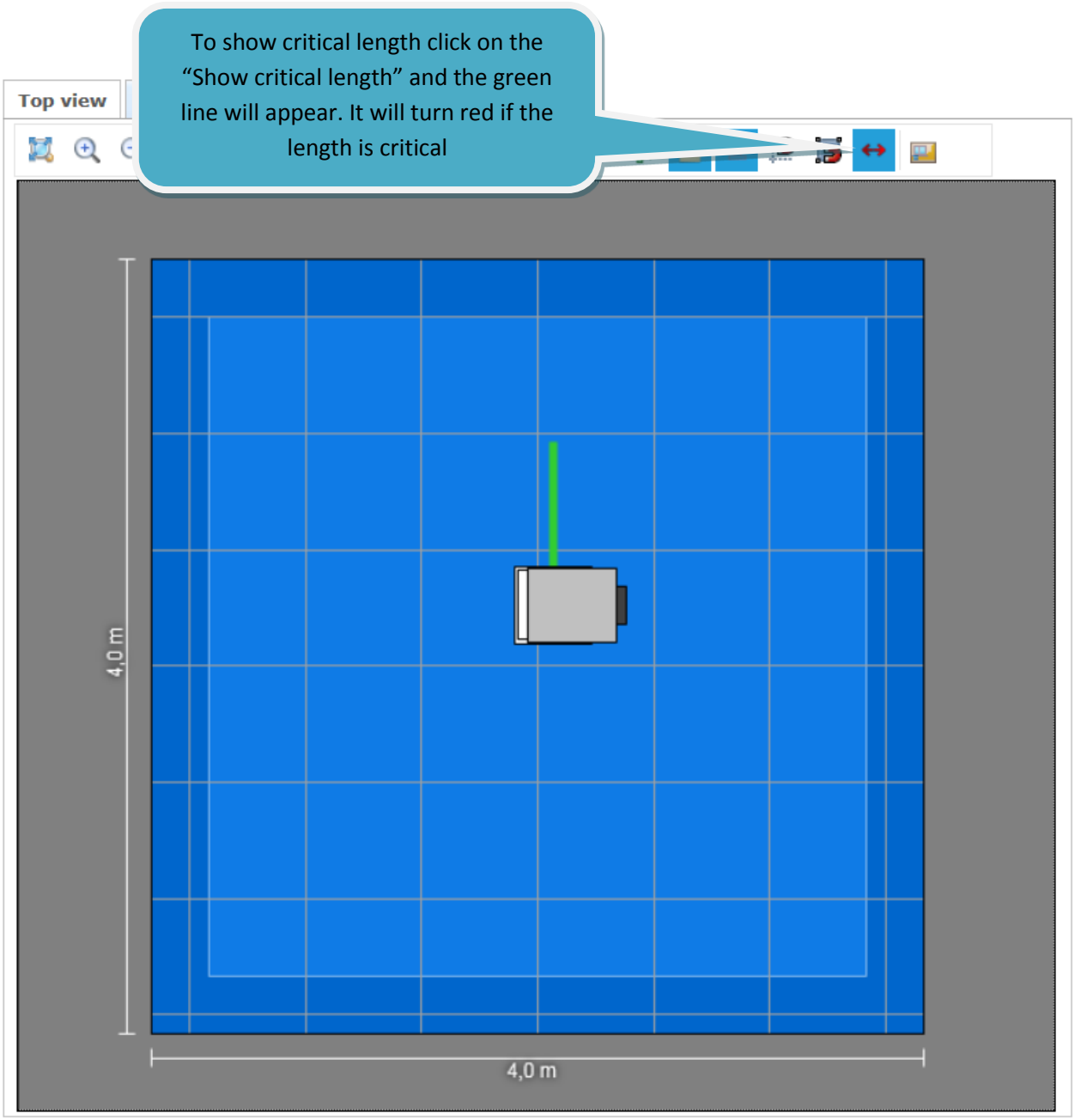

Top view
Front view
Right view
Critical view
Click on the ”Device Snap” button.
[1] NR19-S-500x150
4,0 m
4,0 m

X,Y,Z: -574,271,0

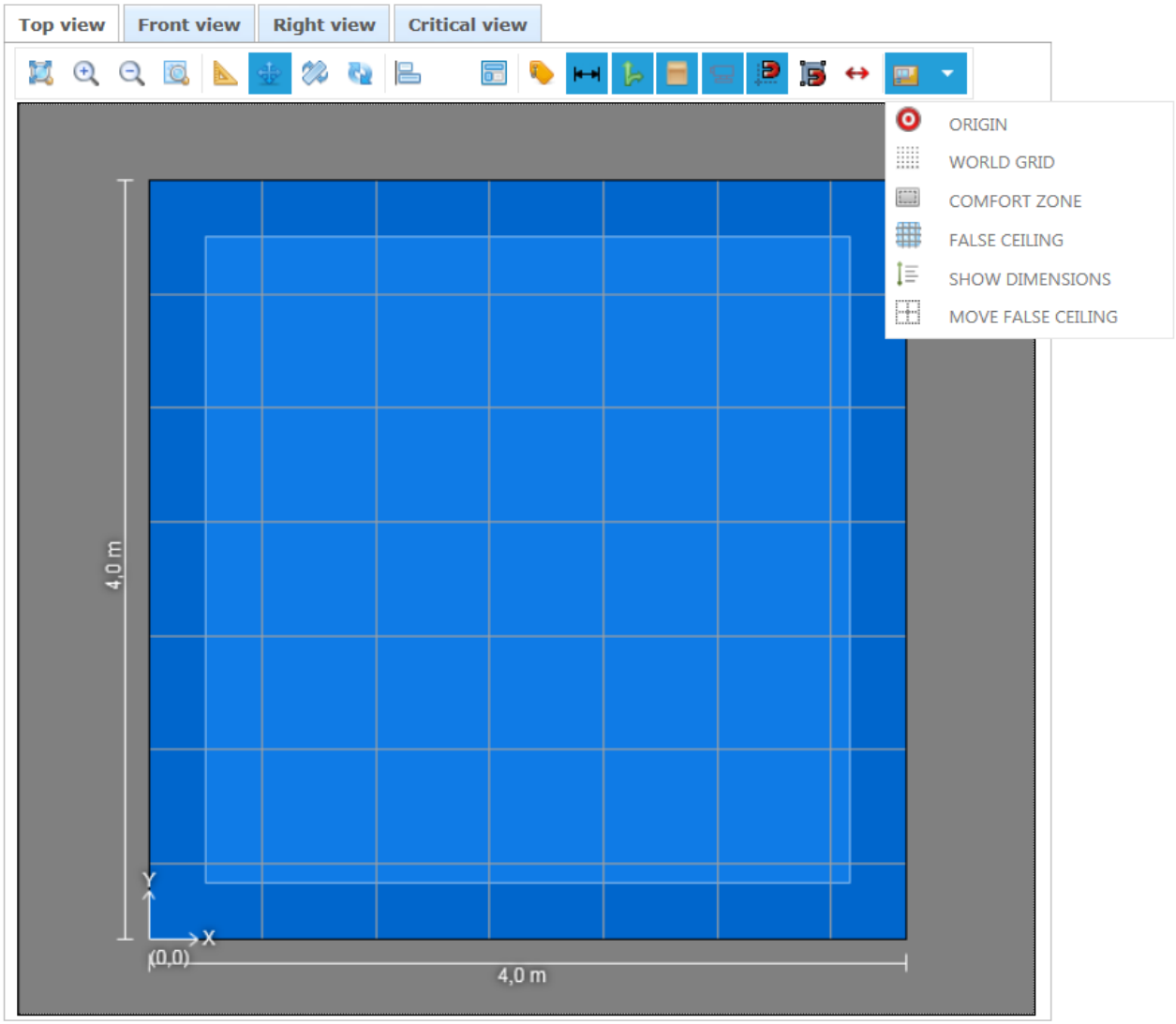
6.11 Snap to false ceiling:


Top view
Front view
Right view
Critical view
By using this feature the device will automatically be placed in the center of the false ceiling plates.
4,0 m
4,0 m

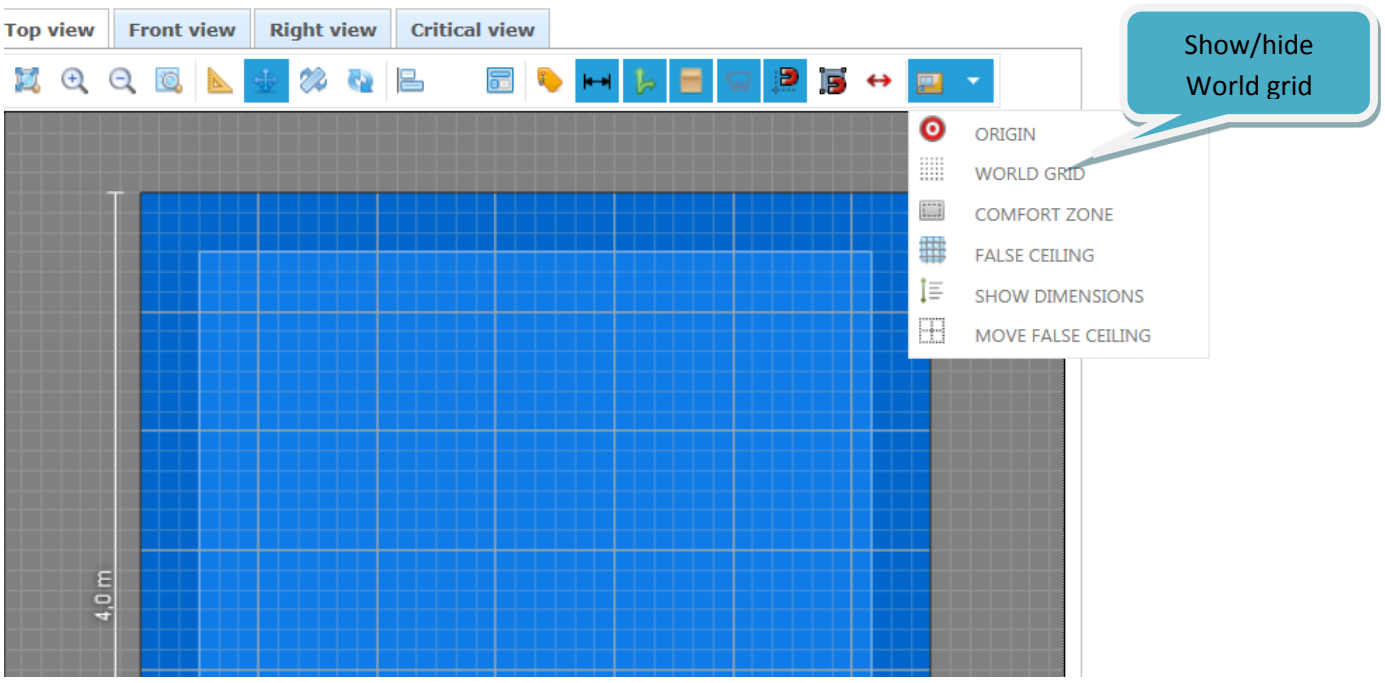
6.12 Show critical lenght:

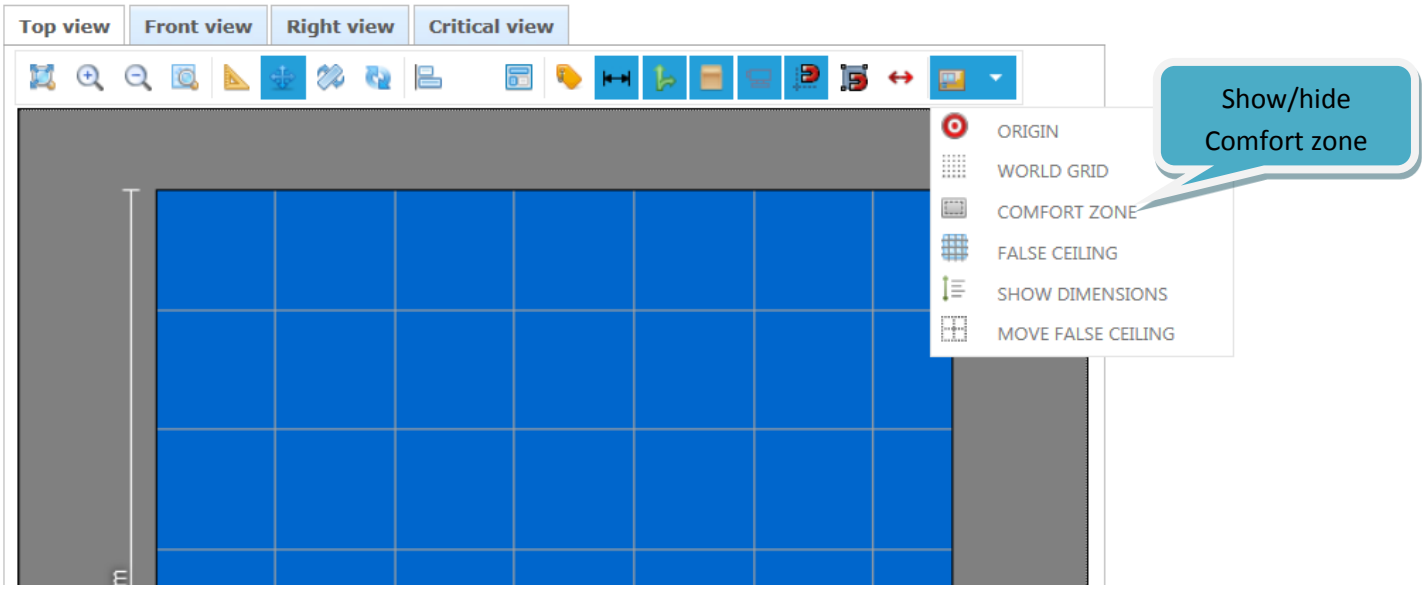

To show critical length click on the "Show critical length" and the green line will appear. It will turn red if the length is critical
Top view
4,0 m
4,0 m

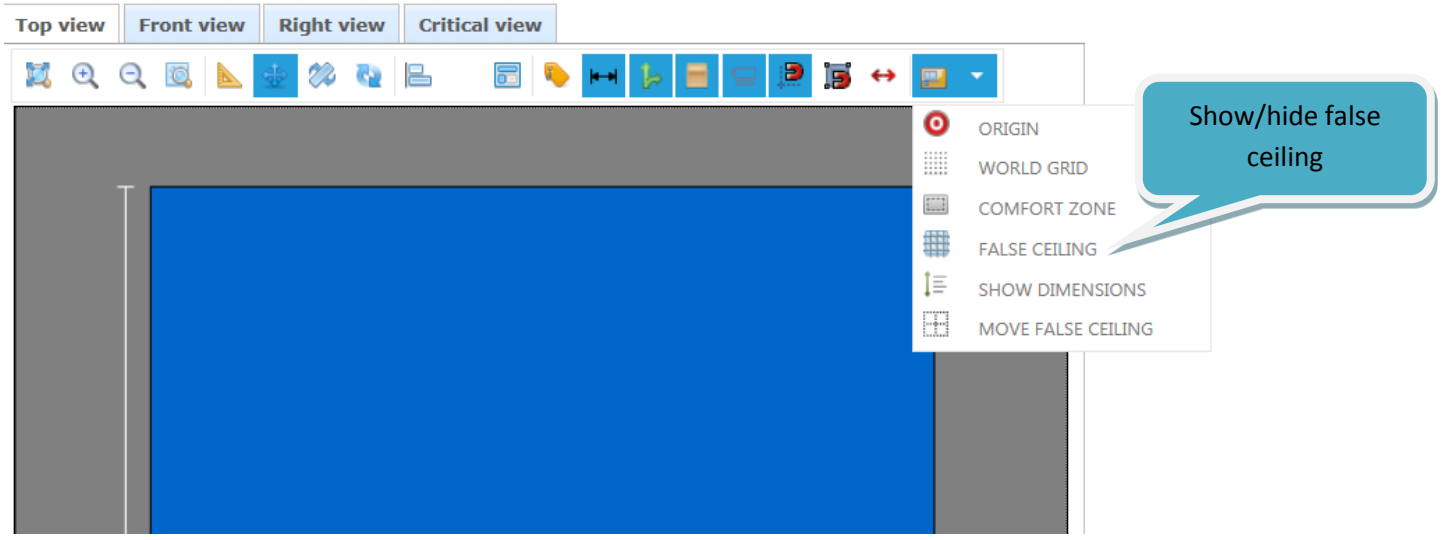
6.13 Ceiling:

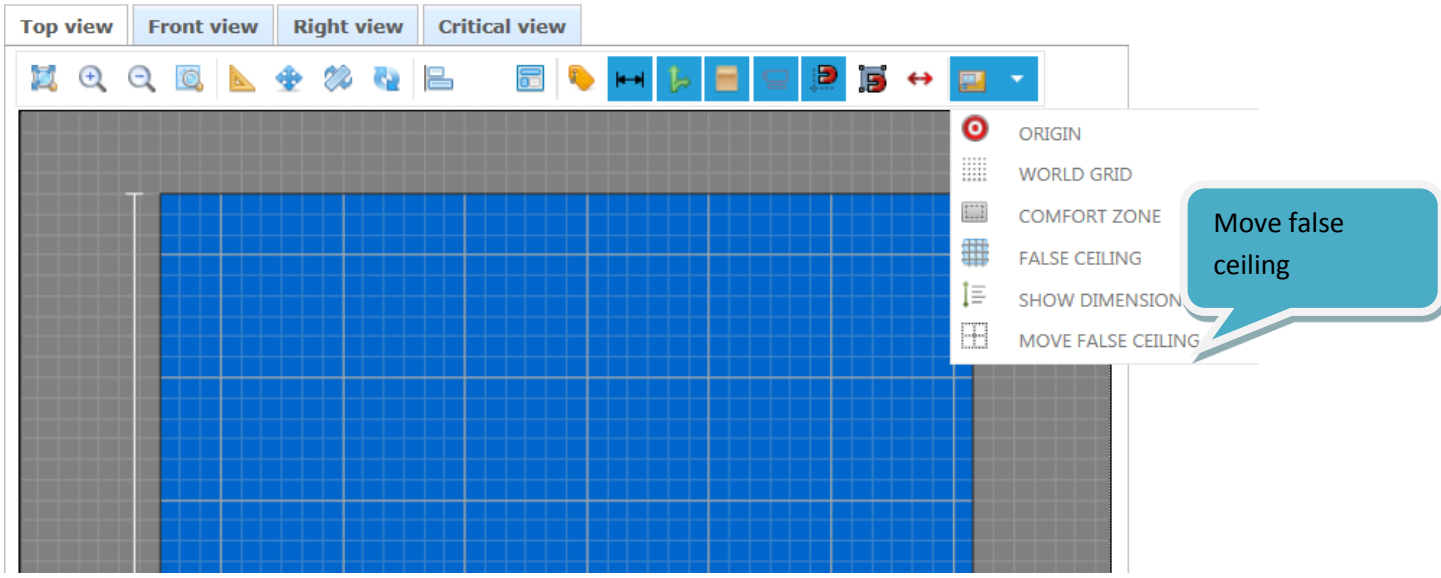


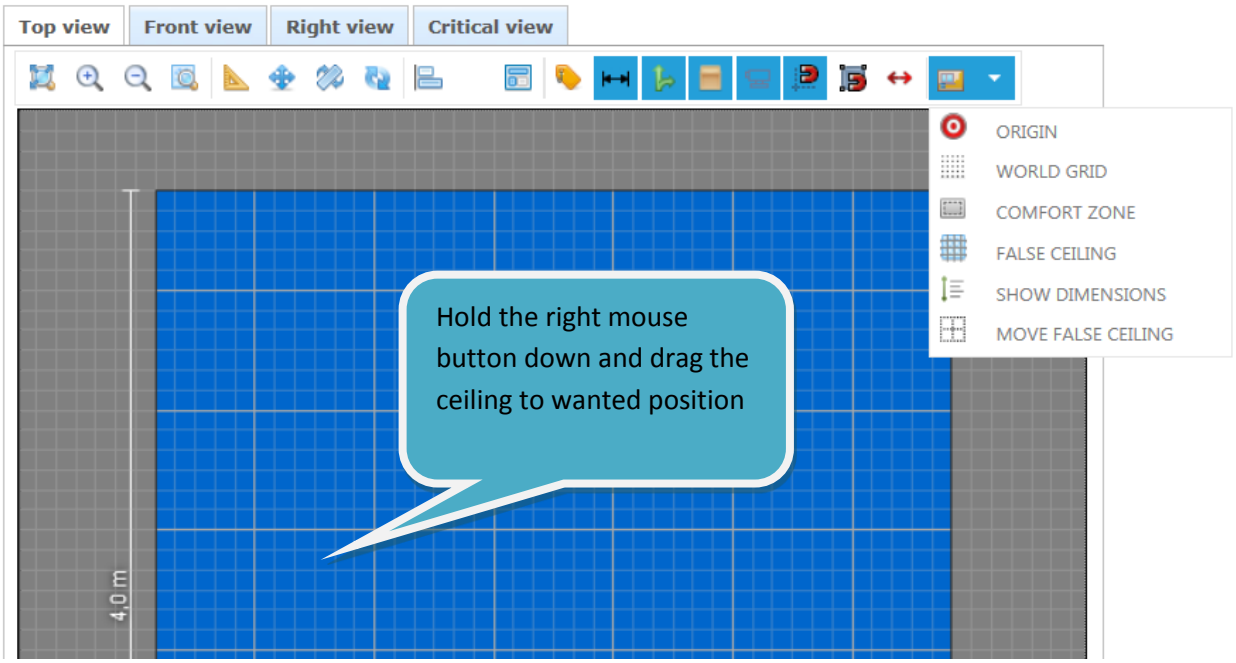
X,Y,Z: 1210,-349,0


Top view
Front view
Right view
Critical view
ORIGIN
WORLD GRID
COMFORT ZONE
FALSE CEILING
SHOW DIMENSIONS
MOVE FALSE CEILING
Show/hide
World grid
4.0 m

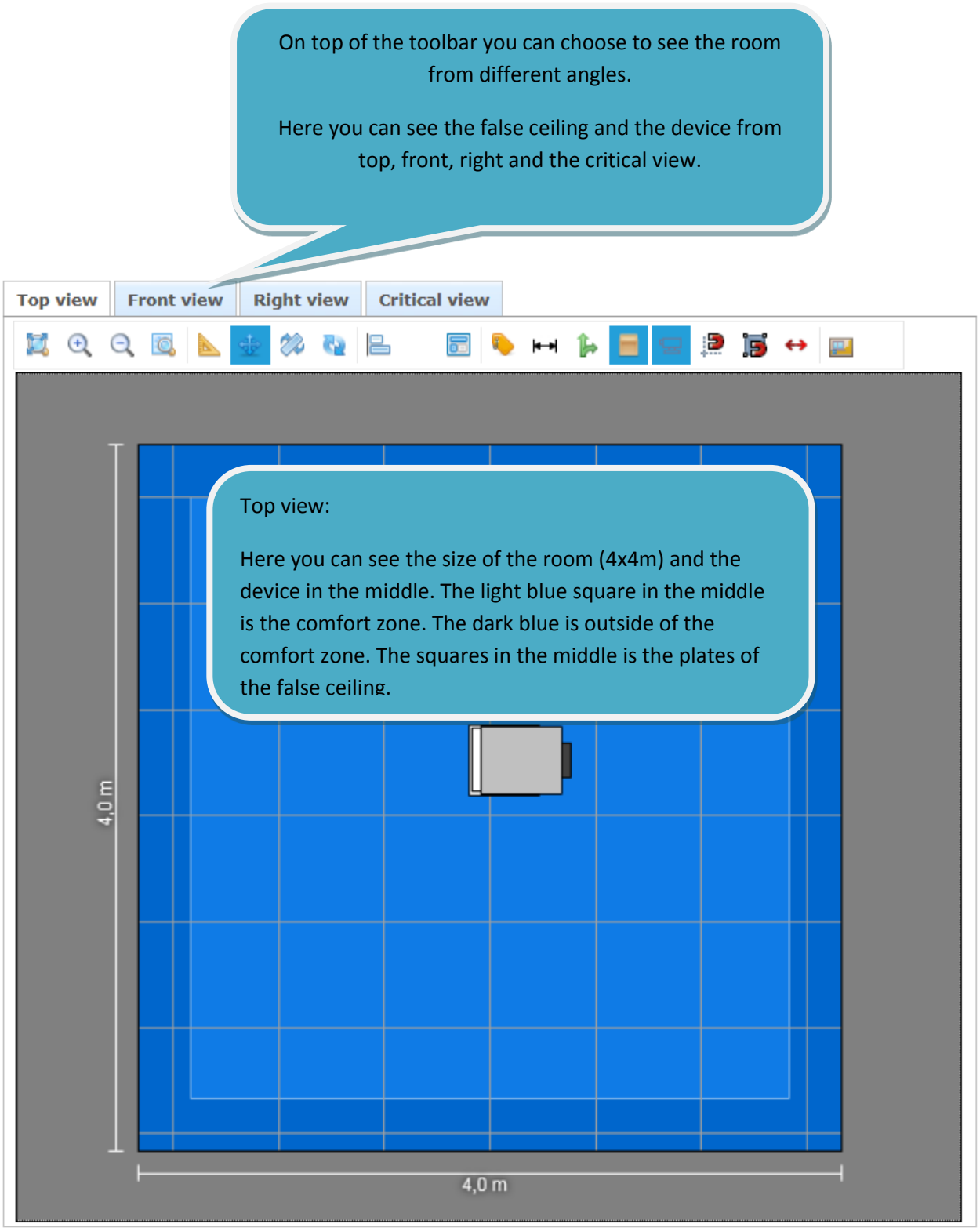

Top view
Front view
Right view
Critical view
ORIGIN
WORLD GRID
COMFORT ZONE
FALSE CEILING
SHOW DIMENSIONS
MOVE FALSE CEILING
Show/hide
Comfort zone


Top view
Front view
Right view
Critical view
ORIGIN
WORLD GRID
COMFORT ZONE
FALSE CEILING
SHOW DIMENSIONS
MOVE FALSE CEILING
Show/hide false ceiling


Top view
Front view
Right view
Critical view
ORIGIN
WORLD GRID
COMFORT ZONE
FALSE CEILING
SHOW DIMENSION
MOVE FALSE CEILING
Move false ceiling

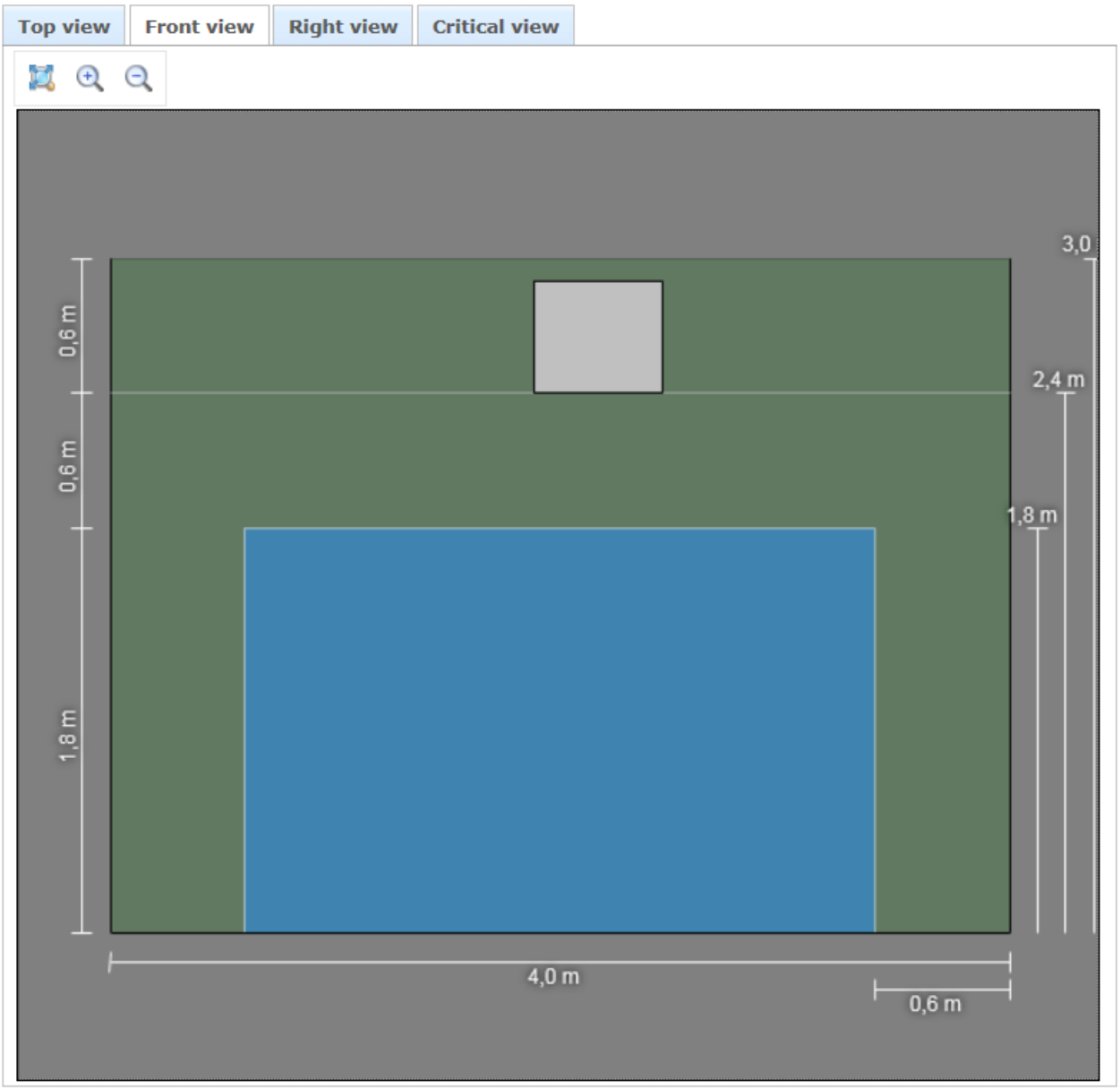

Top view
Front view
Right view
Critical view
ORIGIN
WORLD GRID
COMFORT ZONE
FALSE CEILING
SHOW DIMENSIONS
MOVE FALSE CEILING
Hold the right mouse button down and drag the ceiling to wanted position
4,0 m

6.14 View the room:


On top of the toolbar you can choose to see the room from different angles.
Here you can see the false ceiling and the device from top, front, right and the critical view.
Top view
Front view
Right view
Critical view
Top view:
Here you can see the size of the room (4x4m) and the device in the middle. The light blue square in the middle is the comfort zone. The dark blue is outside of the comfort zone. The squares in the middle is the plates of the false ceiling.
4,0 m
4,0 m

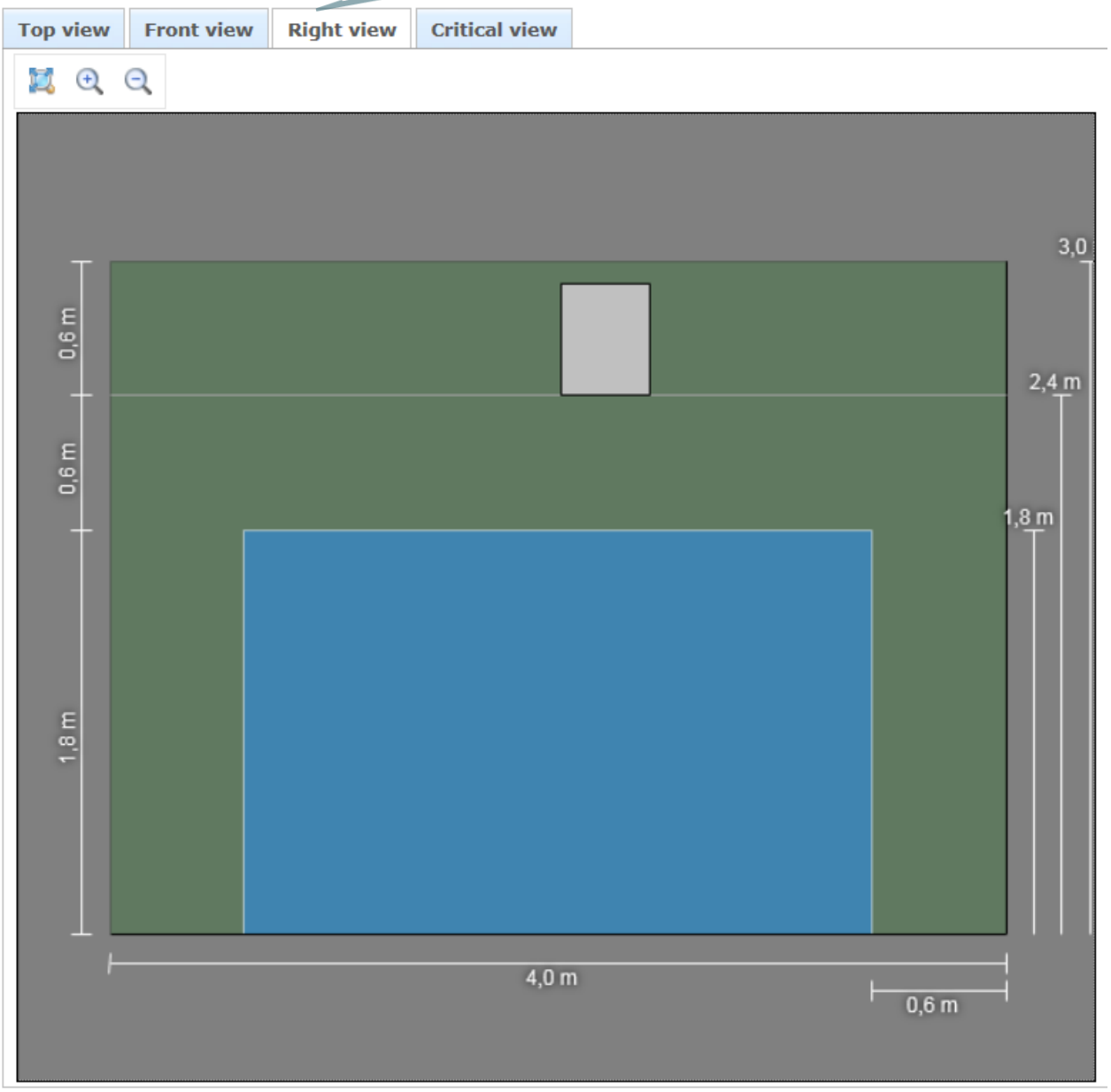
Front view.

The grey box is the device and the grey line underneath is the false ceiling. Blue square is the comfort zone



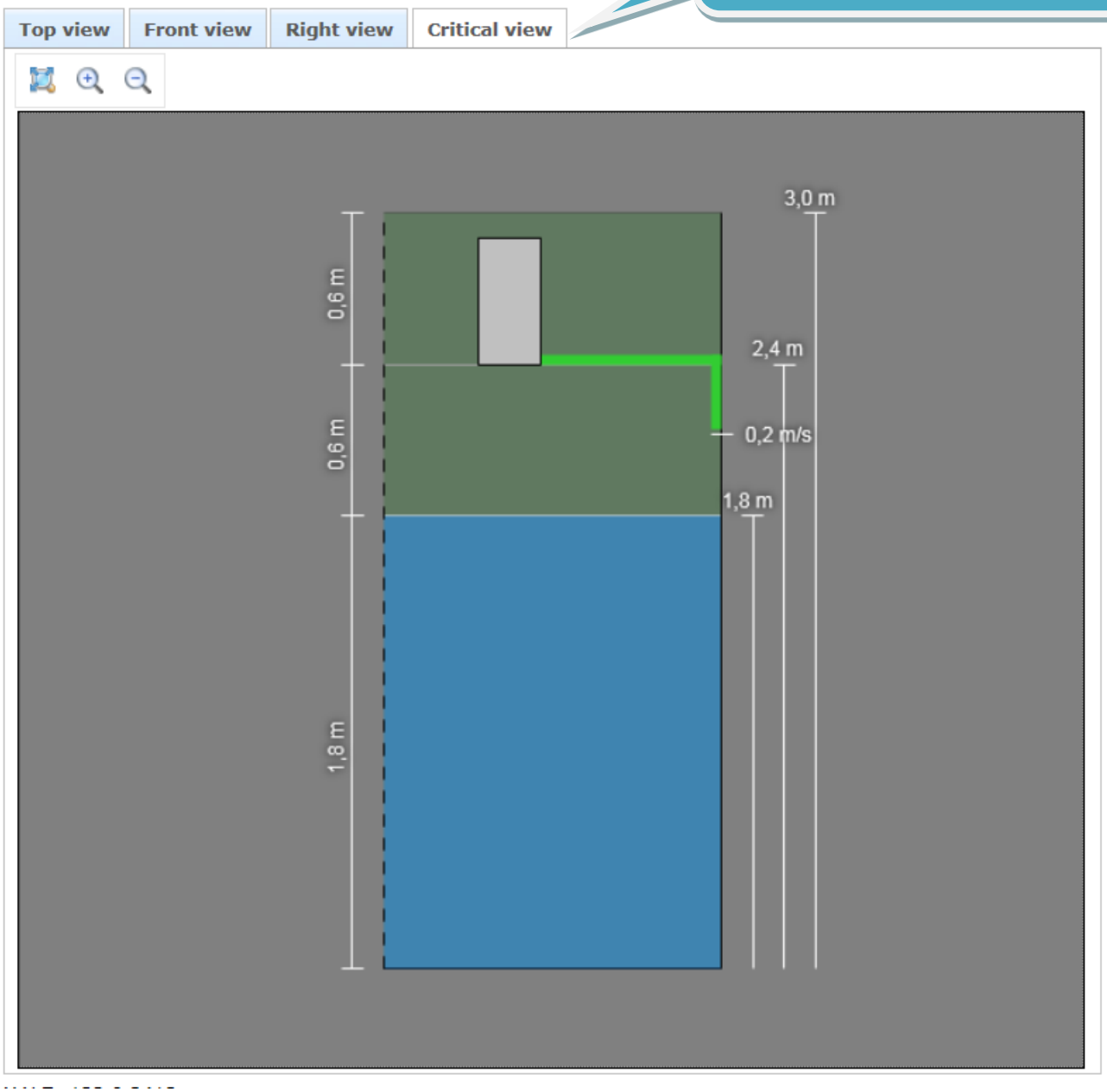
Right view.

Same as front view



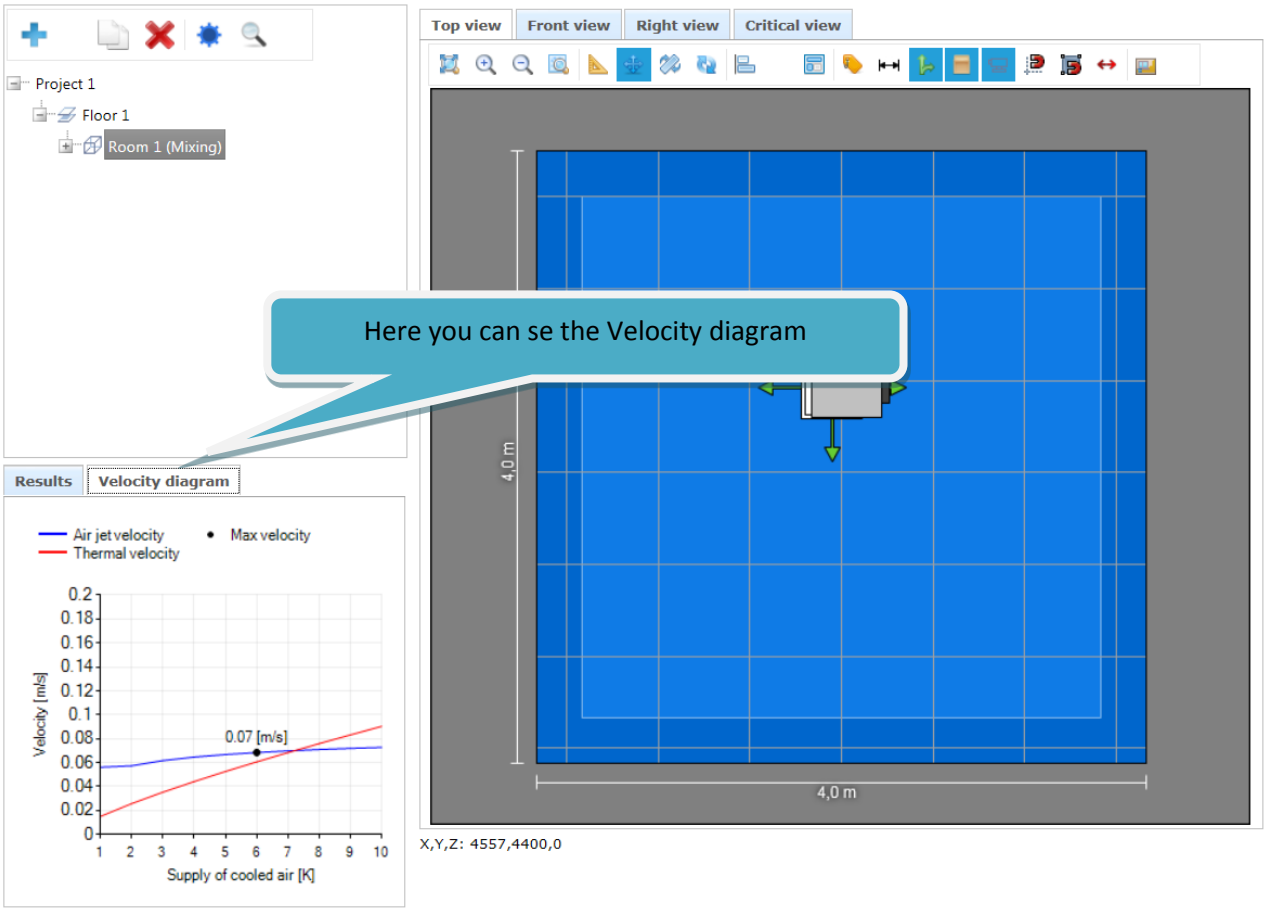
Critical view:

Here you can see the critical view.

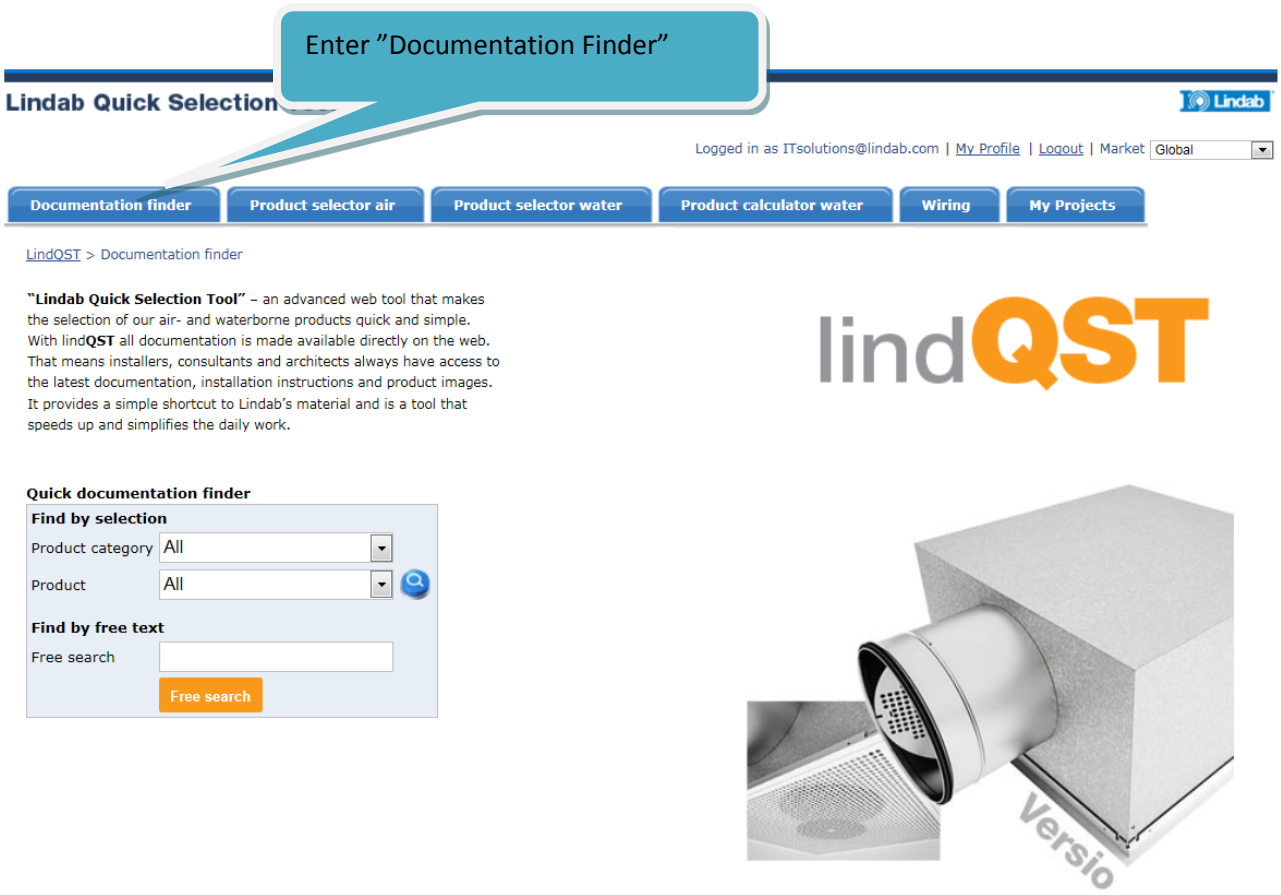


6.15 Calculation Verlocity:

Calculation of velocities with thermal air flows taken into account demands very detailed information of all thermal conditions in the room and advanced tools to solve comprehensive and complicated equation systems (e.g. CFD). In DimComfort 4.0 simpler formulas is used based on air jet theory and experience from laboratory tests. Therefore calculations must be considered as a realistic estimate of the maximal velocity in the occupied zone.
The occupied zone is defined in the Room Setup menu with the following defaults for mixing ventilation: height h_{occ} = 1,8 m, distance from wall x_{occ} = 0.6 m and velocity requirement of 0,2 m/s.



7 Documentation Finder:


Enter ”Documentation Finder”
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Product selector air
Product selector water
Product calculator water
Wiring
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”Lindab Quick Selection Tool” – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab’s material and is a tool that speeds up and simplifies the daily work.
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Find by selection
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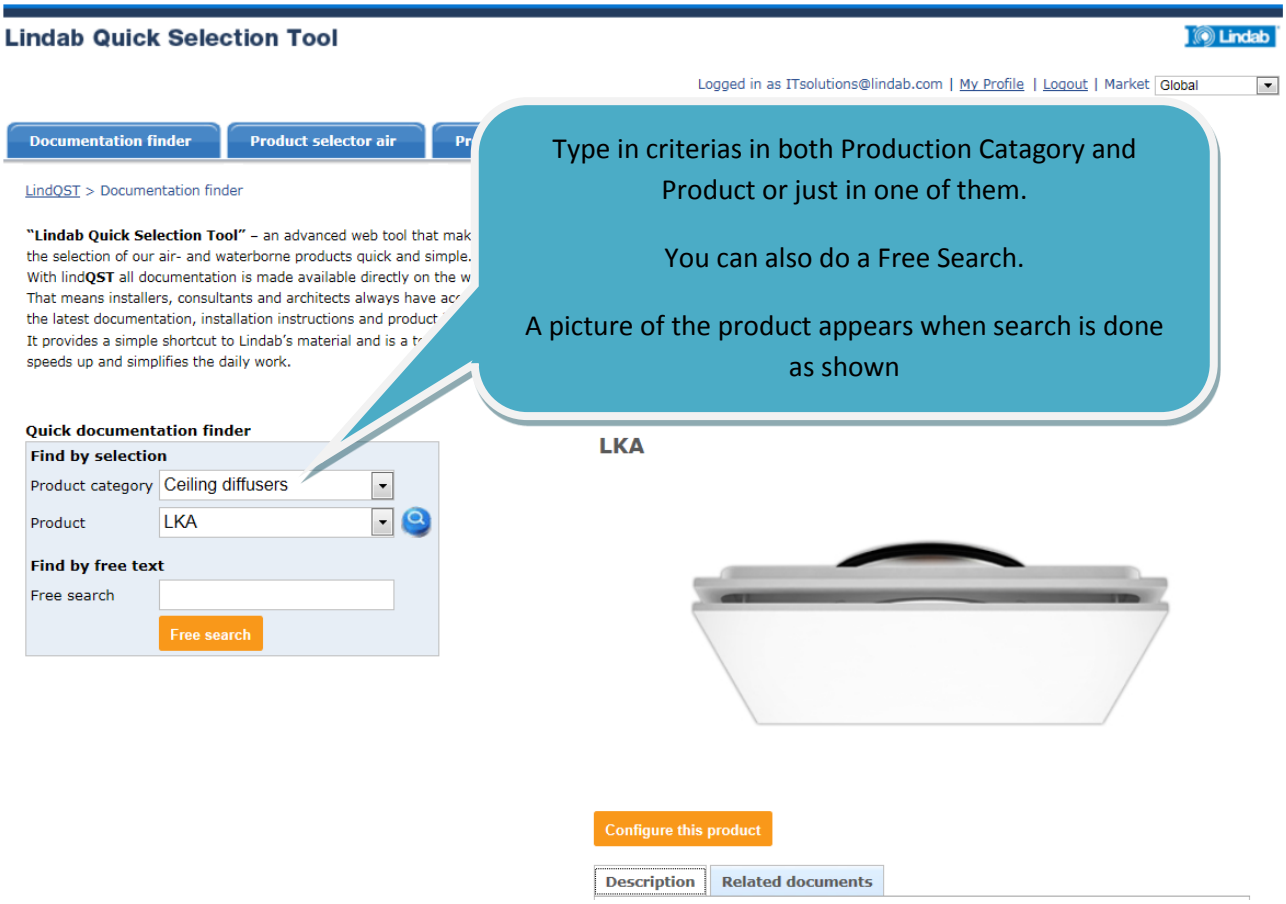
Find by free text
Free search
Free search
Versio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Documentation finder
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"Lindab Quick Selection Tool" – an advanced web tool that mak
the selection of our air- and waterborne products quick and simple.
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the latest documentation, installation instructions and product
It provides a simple shortcut to Lindab's material and is a t
speeds up and simplifies the daily work.
Quick documentation finder
Find by selection
Product category Ceiling diffusers
Product LKA
Find by free text
Free search
Free search
Type in criterias in both Production Catagory and Product or just in one of them.
You can also do a Free Search.
A picture of the product appears when search is done as shown
LKA
Configure this product
Description
Related documents

Here is a short description of the product

figure this product

ription | Related documents

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.

- Suitable for both supply and exhaust air
- Suitable for the horizontal supply of cooled air
- High impulse
- Option of 1, 2 and 3-way supply air

Configure this product

Description | Related documents

- Building product declaration
- Catalogue page
- Ceiling adaption
- Mounting
- Theory

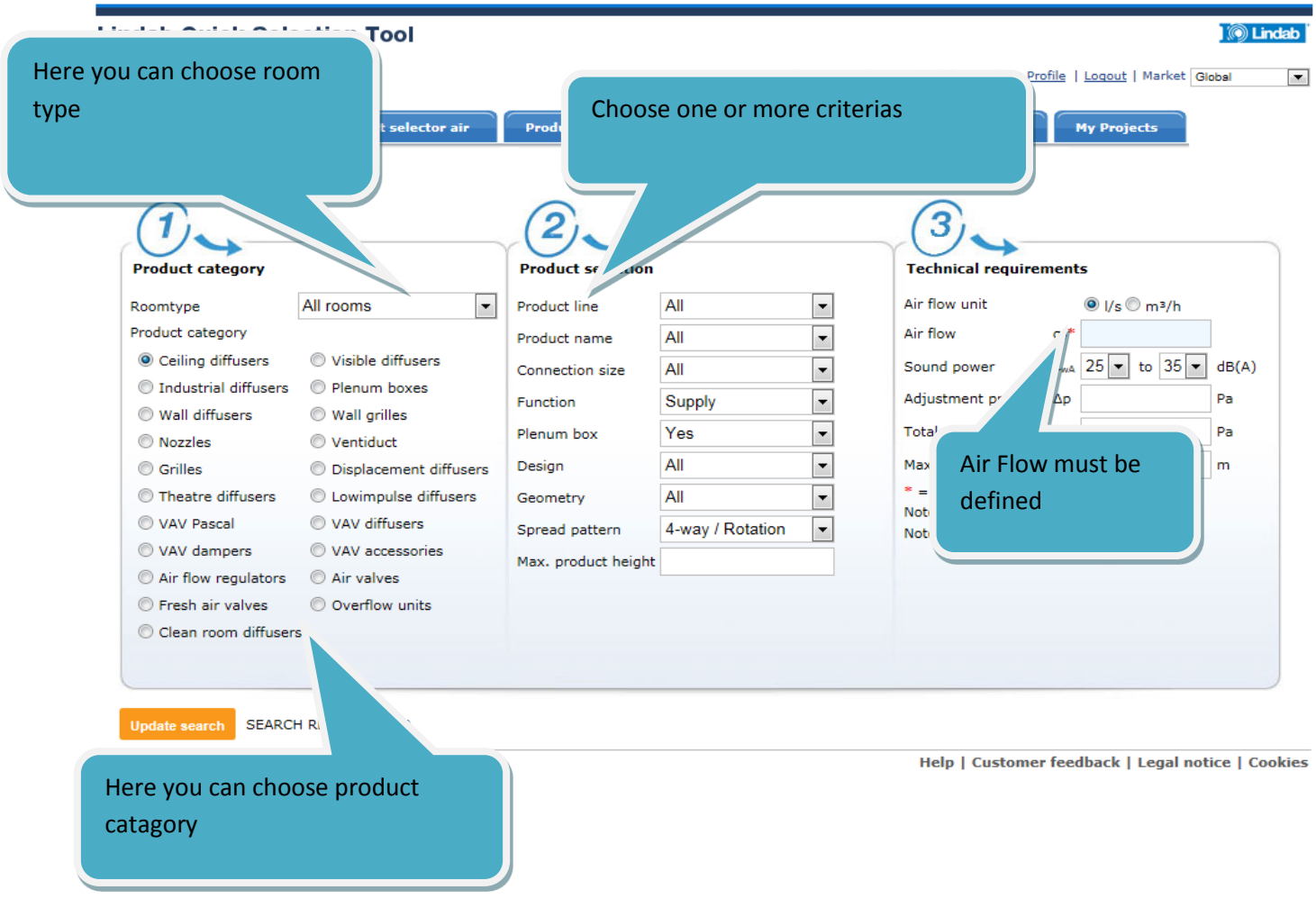
Here are the related documents of the product.

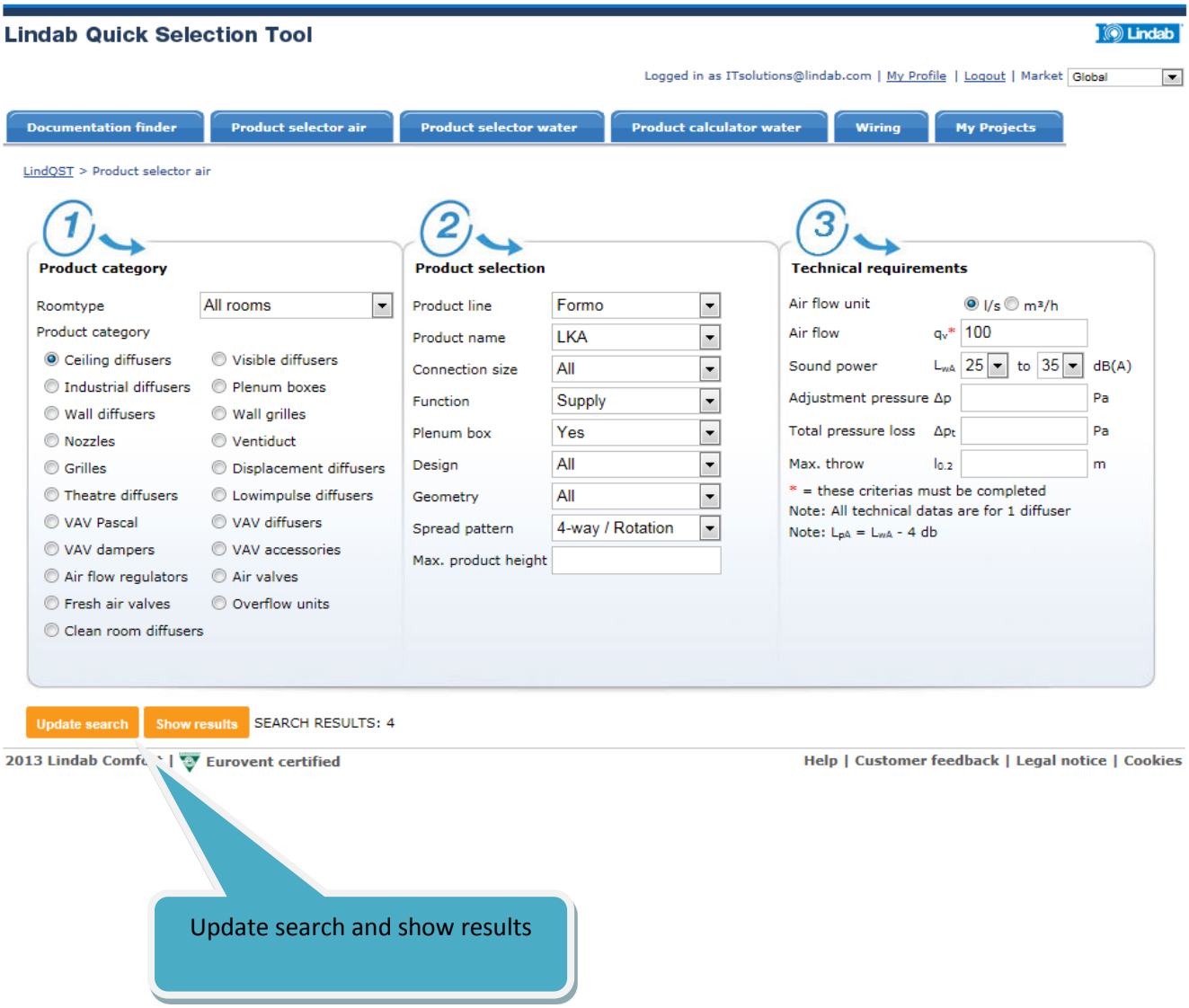
Enter the documents by clicking on the documents

8 Get a product into a room:

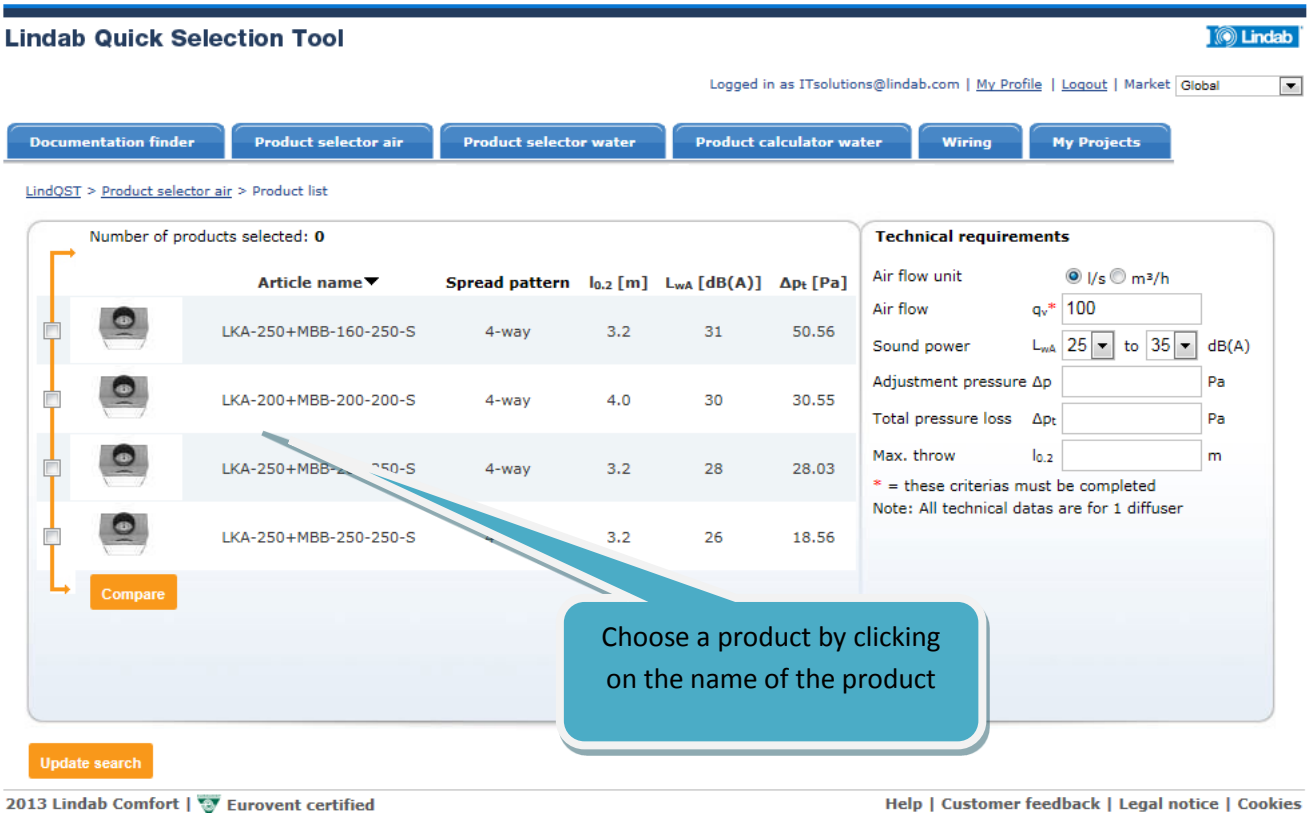
8.1 via Product Selector Air – room has been created

When searching for a diffuser you can do a search by one or more criterias. However Air Flow MUST be defined





Update search and show results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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector air > Product list
Number of products selected: 0
Article name
Spread pattern
l0.2 [m]
LwA [dB(A)]
Δpt [Pa]
LKA-250+MBB-160-250-S 4-way 3.2 31 50.56
LKA-200+MBB-200-200-S 4-way 4.0 30 30.55
LKA-250+MBB- 250-S 4-way 3.2 28 28.03
LKA-250+MBB-250-250-S 3.2 26 18.56
Compare
Technical requirements
Air flow unit l/s m³/h
Air flow qv* 100
Sound power LwA 25 to 35 dB(A)
Adjustment pressure Δp Pa
Total pressure loss Δpt Pa
Max. throw l0.2 m
* = these criterias must be completed
Note: All technical datas are for 1 diffuser
Choose a product by clicking on the name of the product
Update search
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Help | Customer feedback | Legal notice | Cookies

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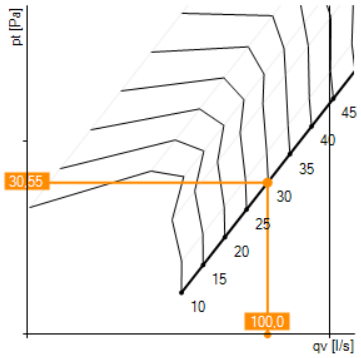
Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product selector air > Product list > Product page

LKA-200+MBB-200-200-S

4-way

Pressure and sound power diagram



Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	12	6	-1	-1	-5	-15	-21	-26
ΔL	14	11	8	15	21	18	20	18

Description | Related Documents

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.

- Suitable for both supply and exhaust air
- Suitable for the horizontal supply of cooled air
- High impulse
- Option of 1, 2 and 3-way supply air

Technical data

Air flow unit		l/s m³/h	
Air flow	q_v*	100	
Adjustment pressure	Δp		Pa
Total pressure loss	Δp_t	30.55	Pa
Sound power	L_{wA}	30	dB(A)
Throw	$l_{0.2}$	4.0	m

* = these criterias must be completed

Note: All technical datas are for 1 diffuser

Add to project | Generate PDF | Generate DXF

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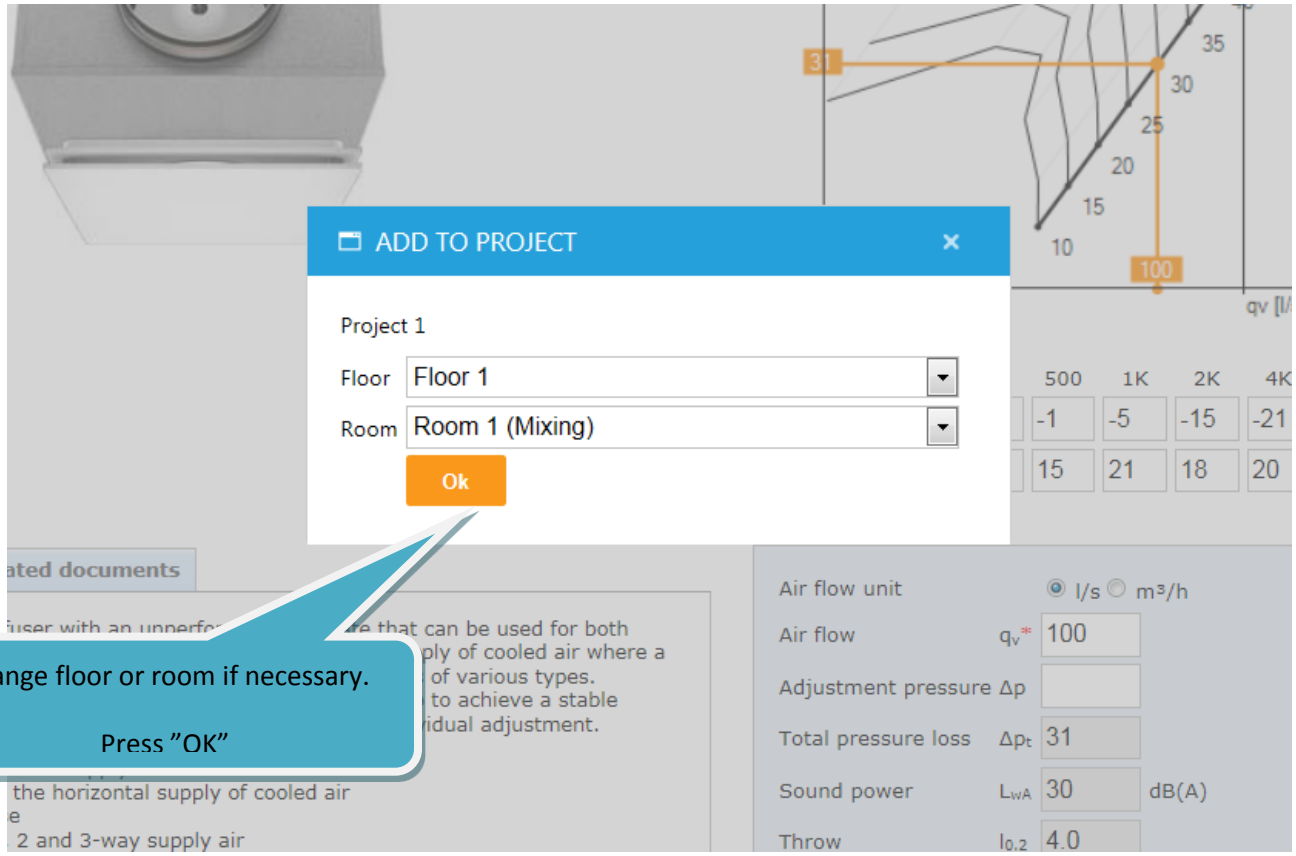
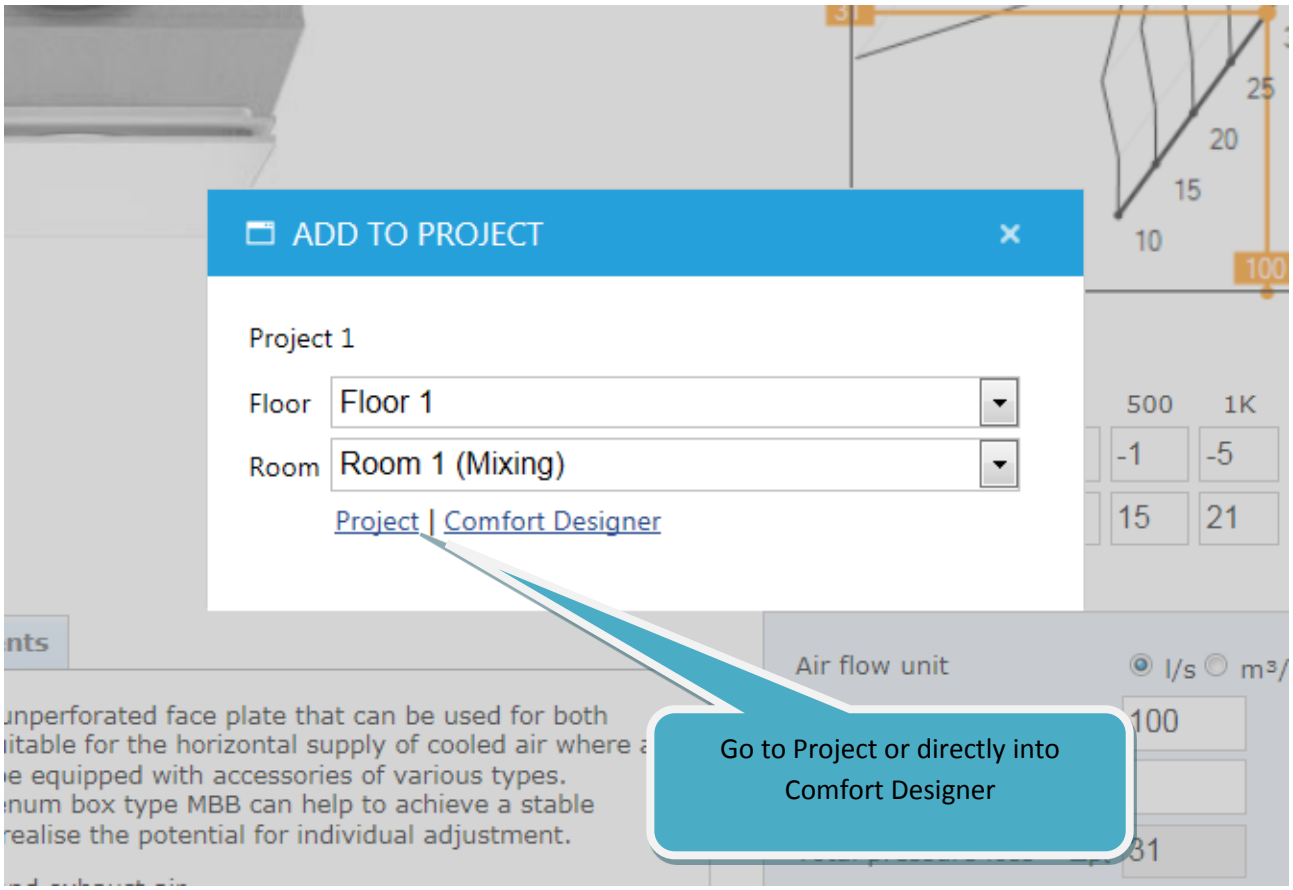
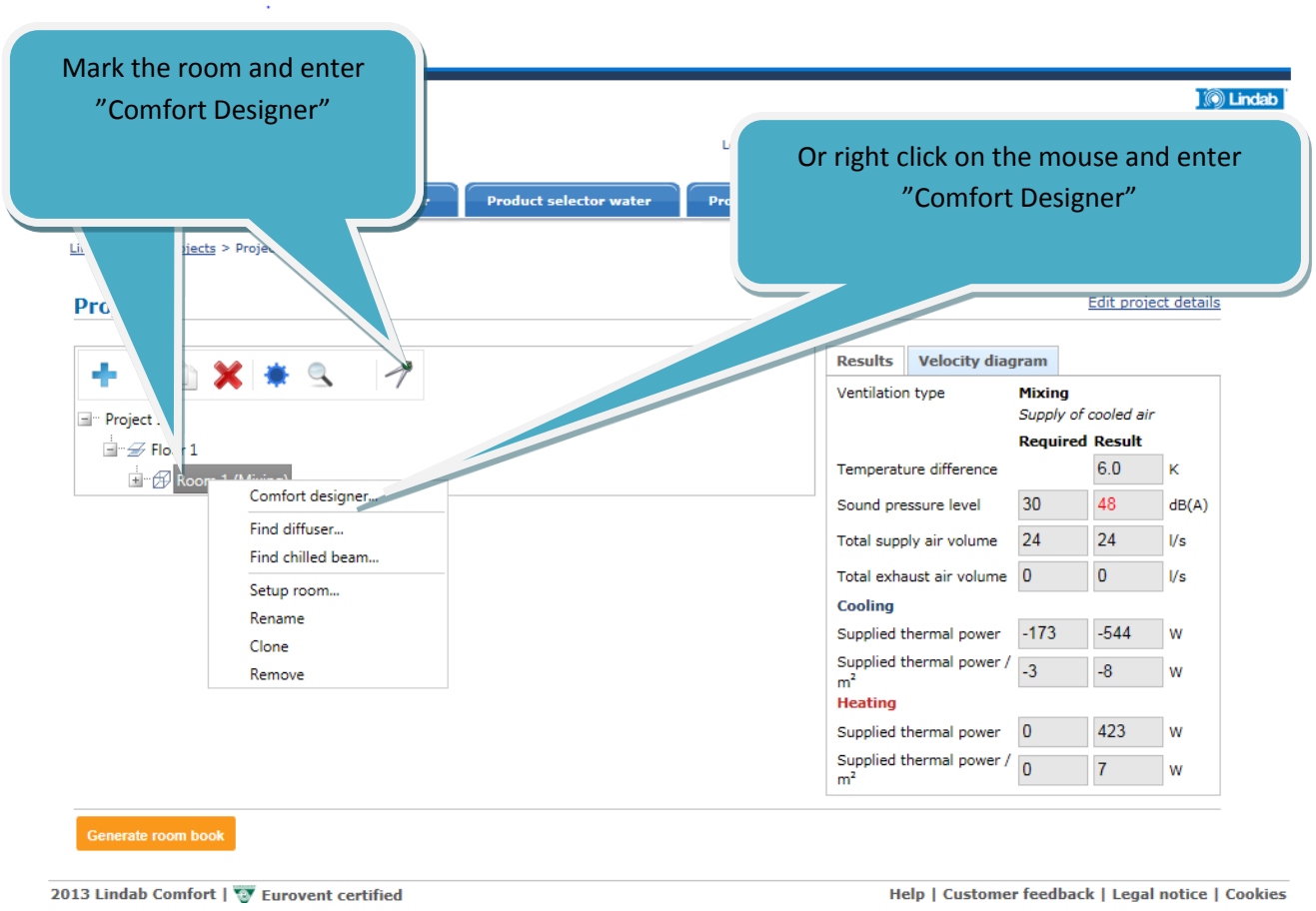
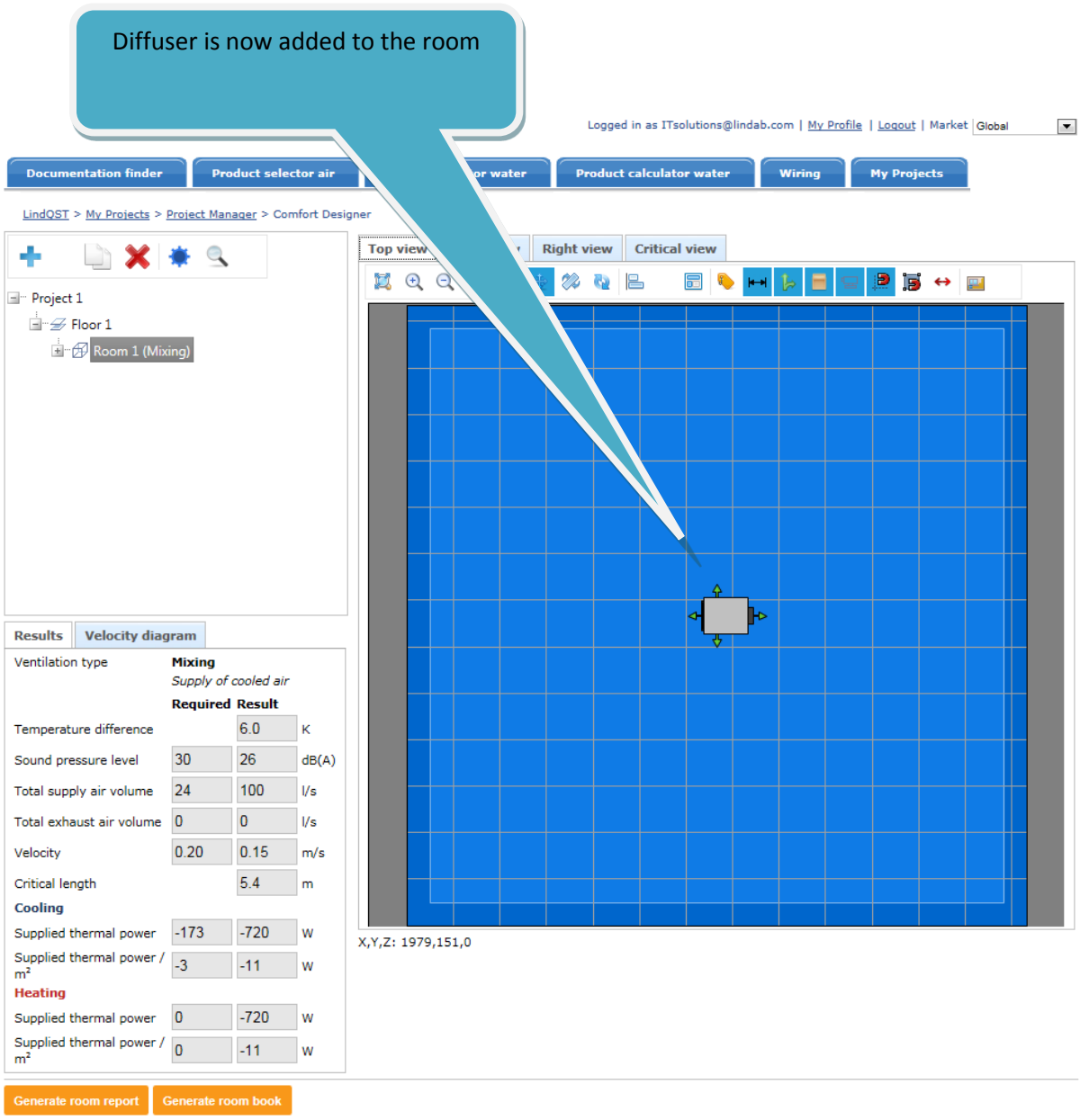
Add to project


ADD TO PROJECT
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Ok
Change floor or room if necessary.
Press ”OK”
Air flow unit
l/s
m³/h
Air flow
Adjustment pressure Δp
Total pressure loss
Sound power
dB(A)
Throw


ADD TO PROJECT
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Project | Comfort Designer
Go to Project or directly into
Comfort Designer
Air flow unit

Enter ”room” and the ”Comfort Designer”




Diffuser is now added to the room
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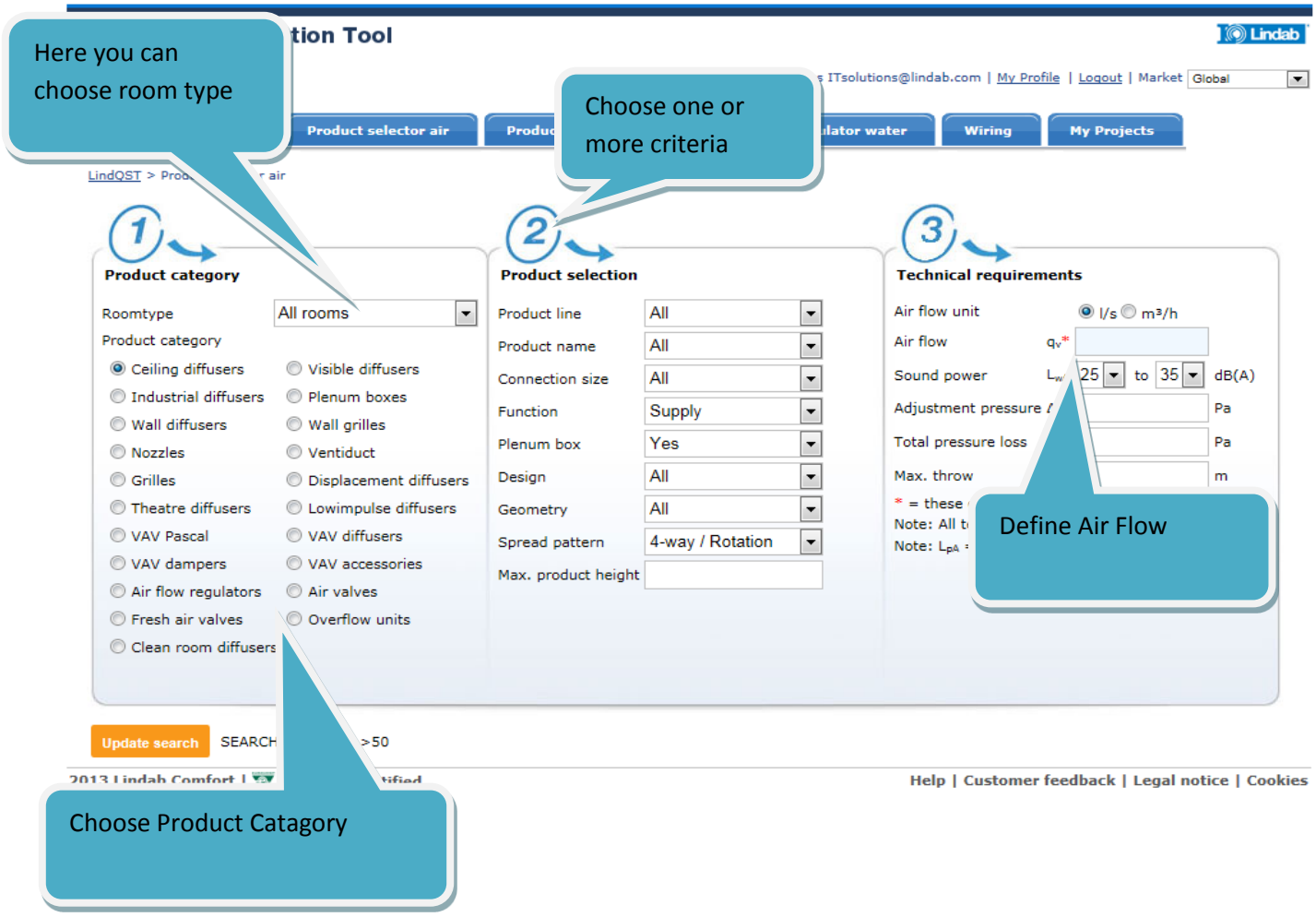
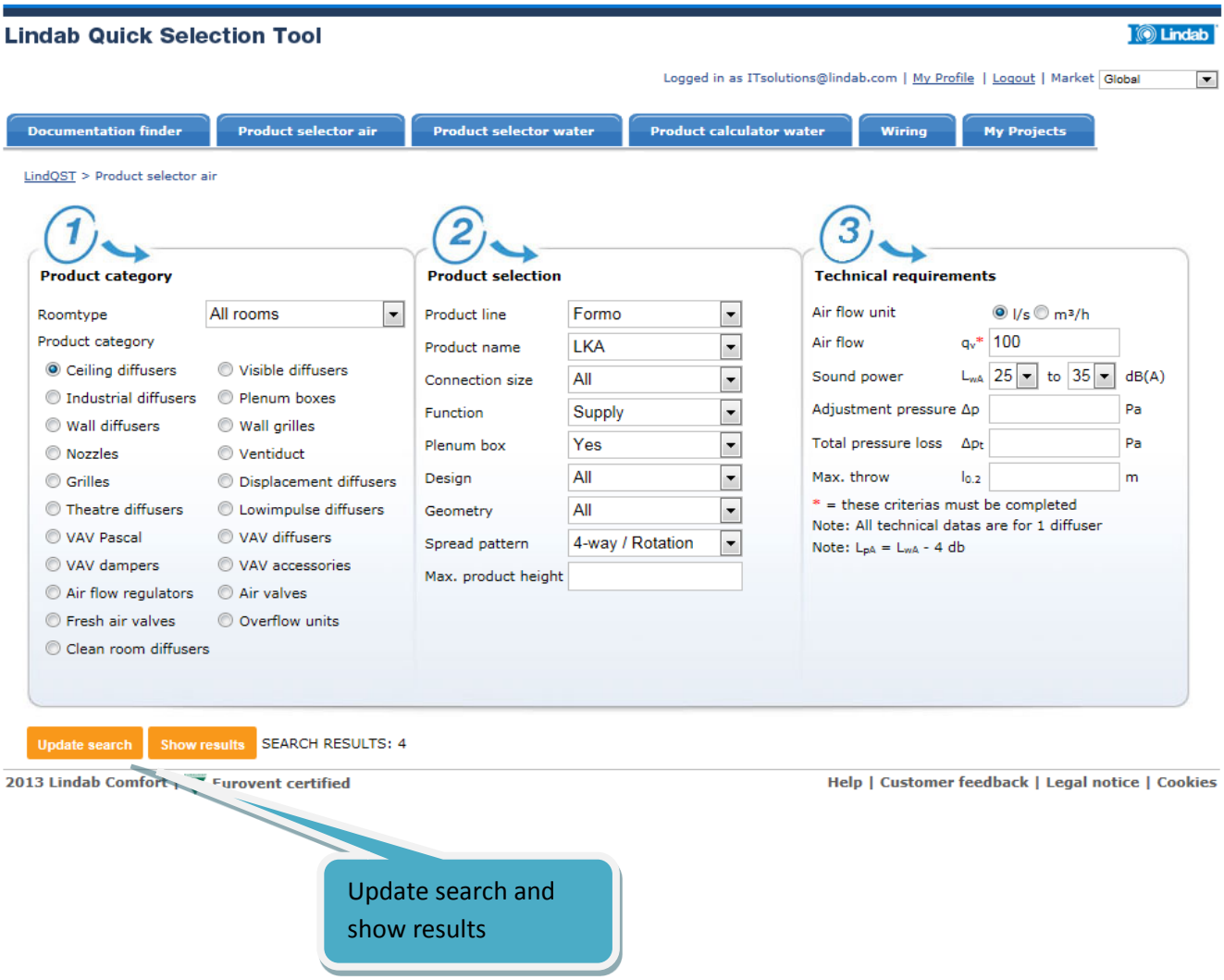
Documentation finder
Product selector air
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Right view
Critical view
X,Y,Z: 1979,151,0
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required
Result
Temperature difference
6.0
K
Sound pressure level
30
26
dB(A)
Total supply air volume
24
100
l/s
Total exhaust air volume
0
0
l/s
Velocity
0.20
0.15
m/s
Critical length
5.4
m
Cooling
Supplied thermal power
-173
-720
W
Supplied thermal power / m²
-3
-11
W
Heating
Supplied thermal power
0
-720
W
Supplied thermal power / m²
0
-11
W
Generate room report
Generate room book

8.2 via Product Selector Air - Room has not been created:

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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector air
1
Product category
Roomtype
All rooms
Product category
Ceiling diffusers
Industrial diffusers
Wall diffusers
Nozzles
Grilles
Theatre diffusers
VAV Pascal
VAV dampers
Air flow regulators
Fresh air valves
Clean room diffusers
Visible diffusers
Plenum boxes
Wall grilles
Ventiduct
Displacement diffusers
Lowimpulse diffusers
VAV diffusers
VAV accessories
Air valves
Overflow units
2
Product selection
Product line
Formo
Product name
LKA
Connection size
All
Function
Supply
Plenum box
Yes
Design
All
Geometry
All
Spread pattern
4-way / Rotation
Max. product height
3
Technical requirements
Air flow unit
l/s
m³/h
Air flow
qv*
100
Sound power
LwA
25
to
35
dB(A)
Adjustment pressure Δp
Pa
Total pressure loss
ΔpT
Pa
Max. throw
l0.2
m
* = these criterias must be completed
Note: All technical datas are for 1 diffuser
Note: LpA = LwA - 4 db
Update search
Show results
SEARCH RESULTS: 4
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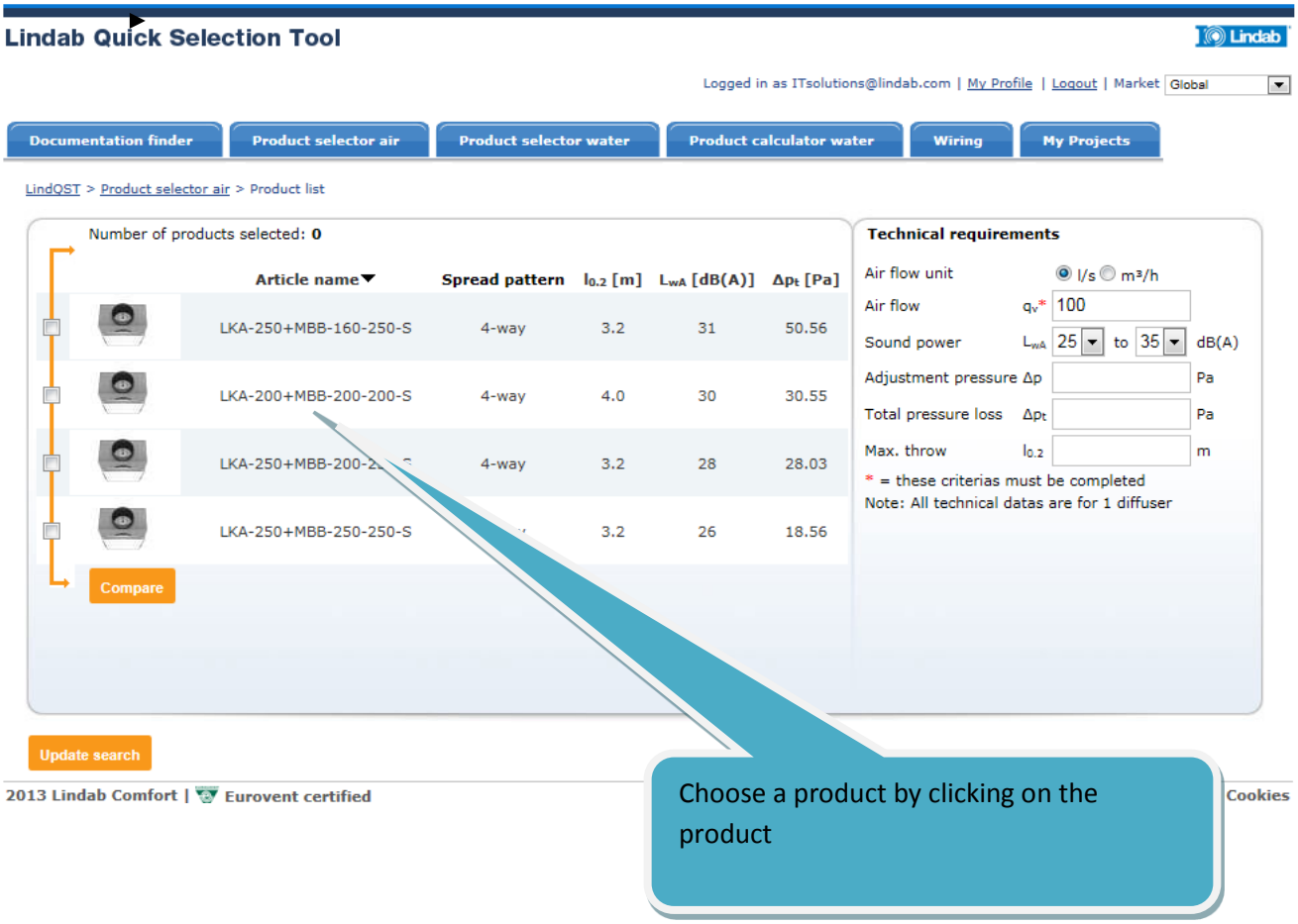
Help | Customer feedback | Legal notice | Cookies
Update search and show results


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector air > Product list
Number of products selected: 0
Article name
Spread pattern
l0.2 [m]
LwA [dB(A)]
Δpt [Pa]
LKA-250+MBB-160-250-S 4-way 3.2 31 50.56
LKA-200+MBB-200-200-S 4-way 4.0 30 30.55
LKA-250+MBB-200-2 S 4-way 3.2 28 28.03
LKA-250+MBB-250-250-S 3.2 26 18.56
Compare
Technical requirements
Air flow unit l/s m³/h
Air flow qv* 100
Sound power LwA 25 to 35 dB(A)
Adjustment pressure Δp Pa
Total pressure loss Δpt Pa
Max. throw l0.2 m
* = these criterias must be completed
Note: All technical datas are for 1 diffuser
Update search
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Cookies
Choose a product by clicking on the product

Lindab Quick Selection Tool

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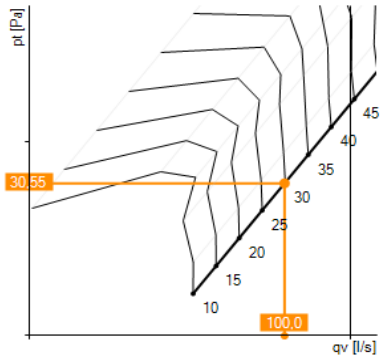
Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product selector air > Product list > Product page

LKA-200+MBB-200-200-S

4-way

Pressure and sound power diagram



Hz	63	125	250	500	1K	2K	4K	8K
K_{ok}	12	6	-1	-1	-5	-15	-21	-26
ΔL	14	11	8	15	21	18	20	18

Description | Related Documents

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exha…oled air where a high impulse is …us types. Installing an LK…eve a stable airflow to the di…justment.

- Suitable …
- Suitable fo… …ply of cooled air
- High impulse …
- Option of … …way supply air

Add to project

Technical data

Air flow unit		l/s / m³/h	
Air flow	q_v*	100	
Adjustment pressure	Δp		Pa
Total pressure loss	Δp_t	30.55	Pa
Sound power	L_{wA}	30	dB(A)
Throw	$l_{0.2}$	4.0	m

* = these criterias must be completed

Note: All technical datas are for 1 diffuser

Add to project | Generate PDF | Generate DXF

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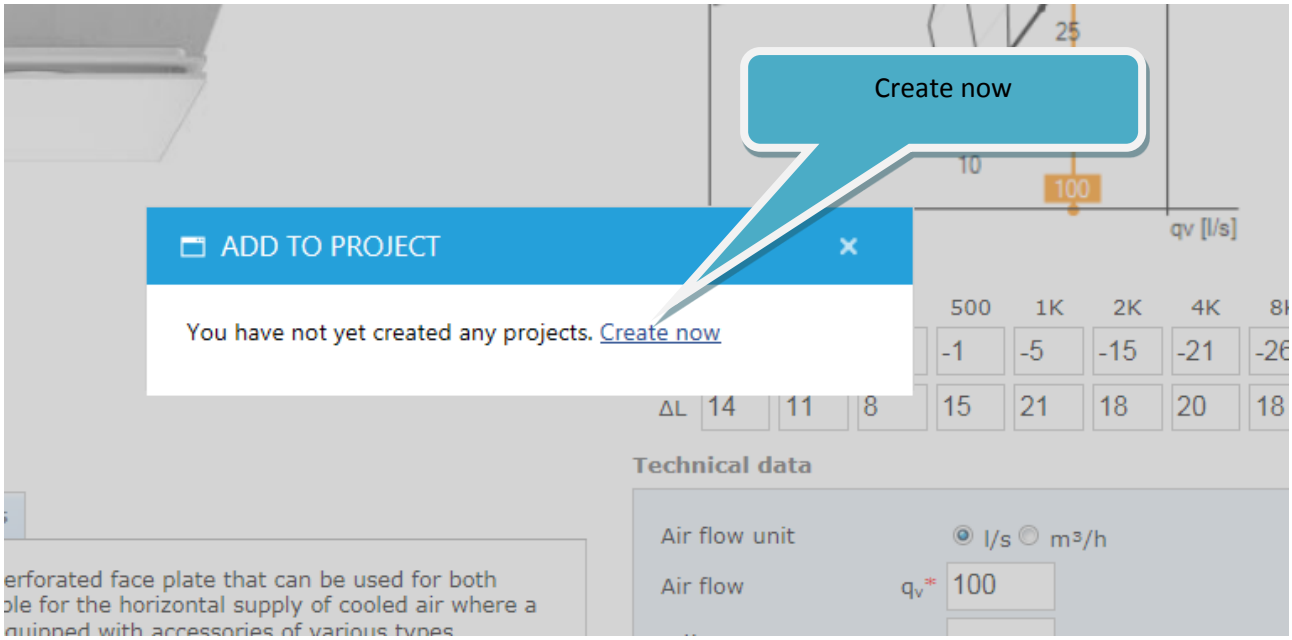
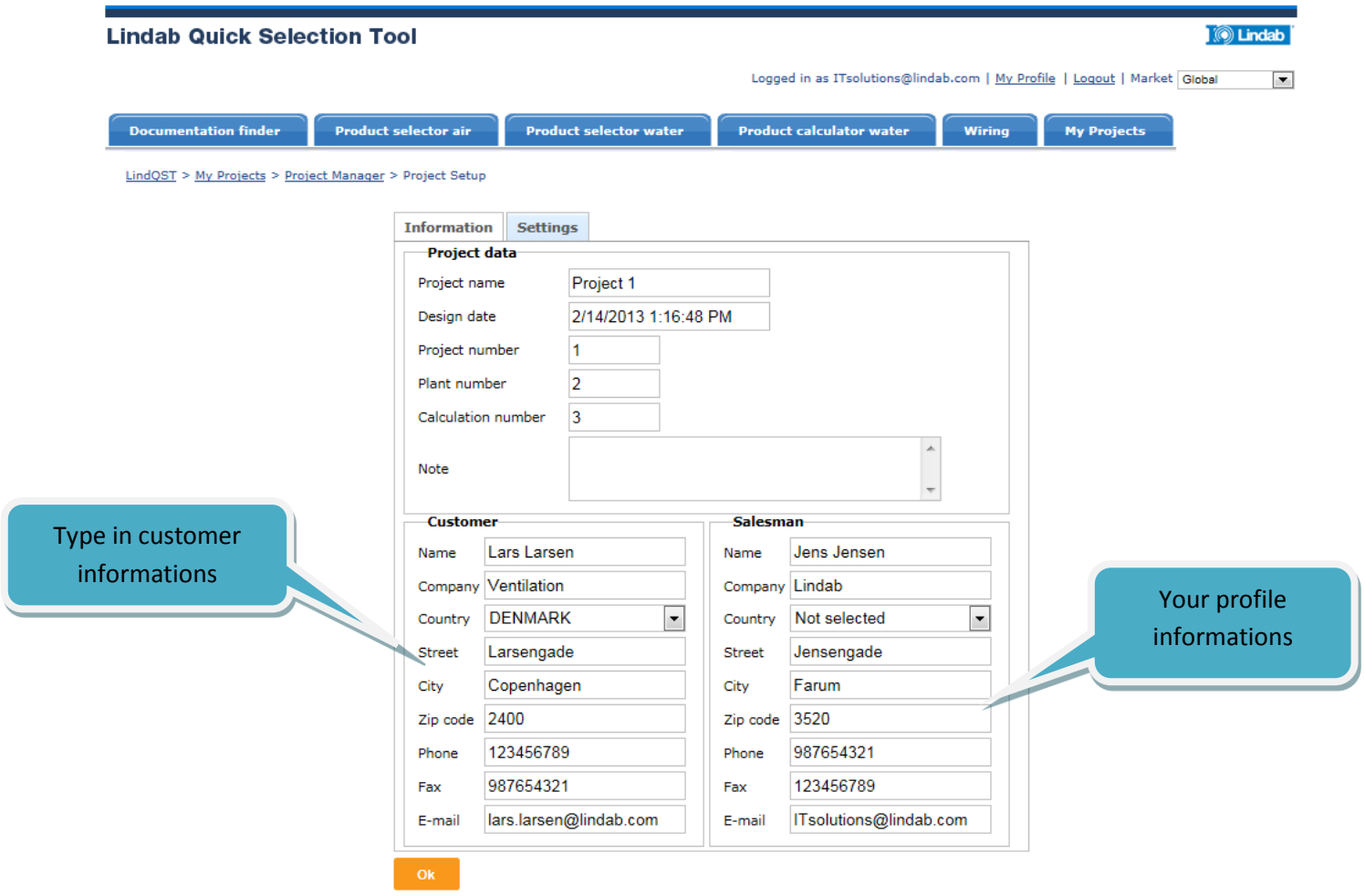
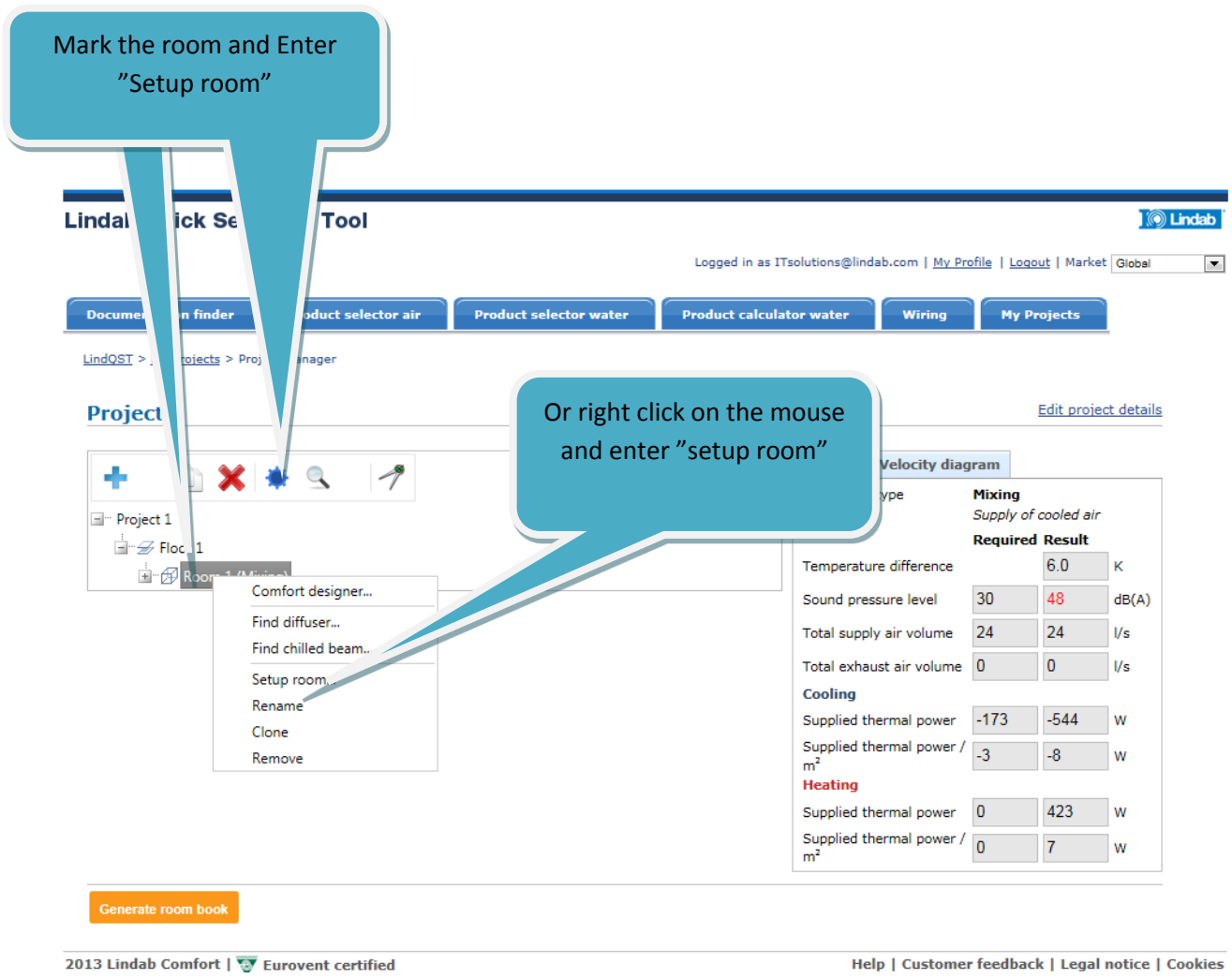
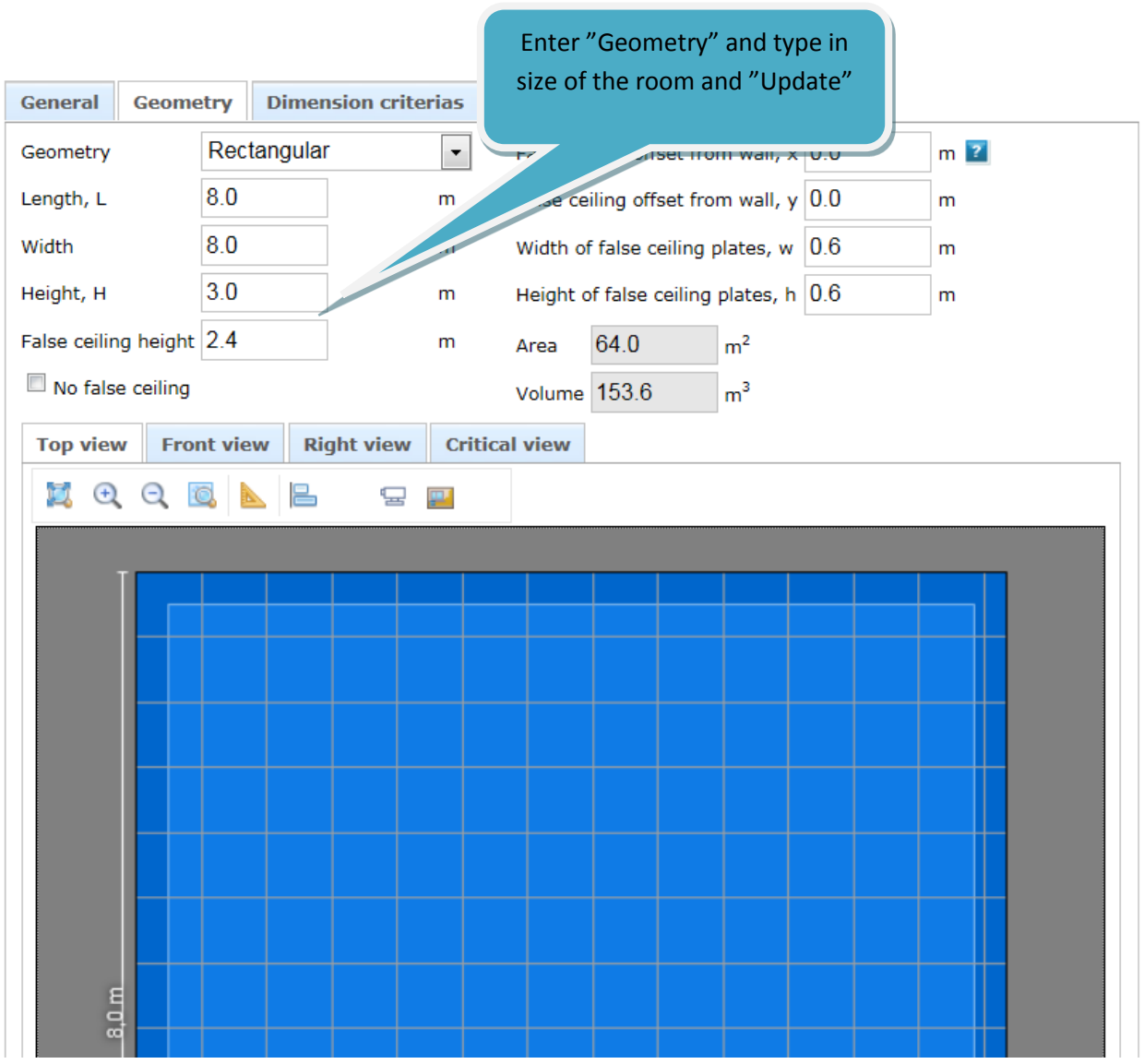
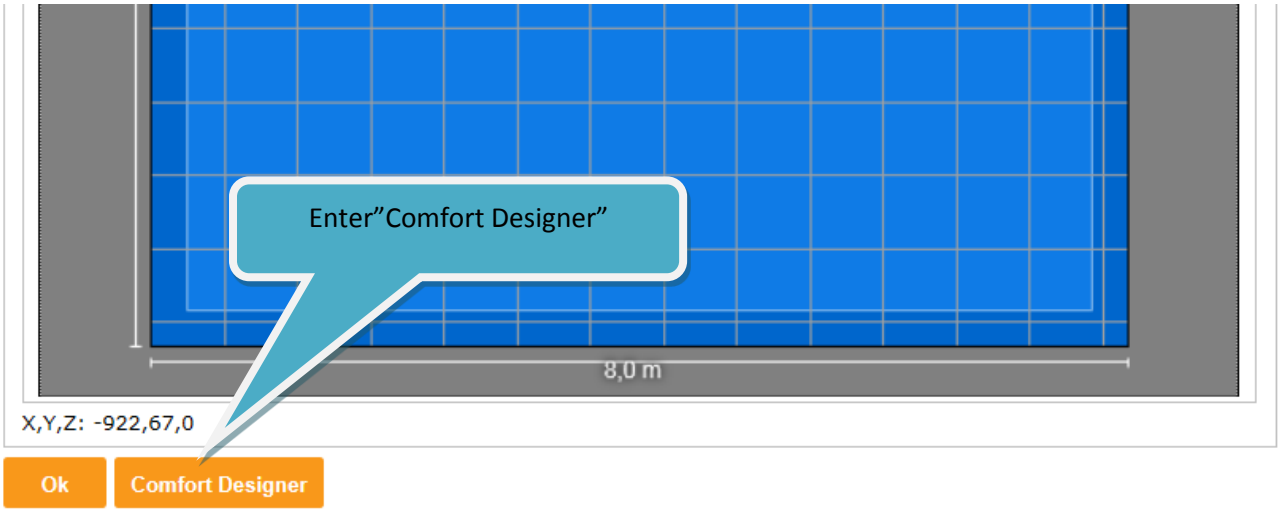
▼

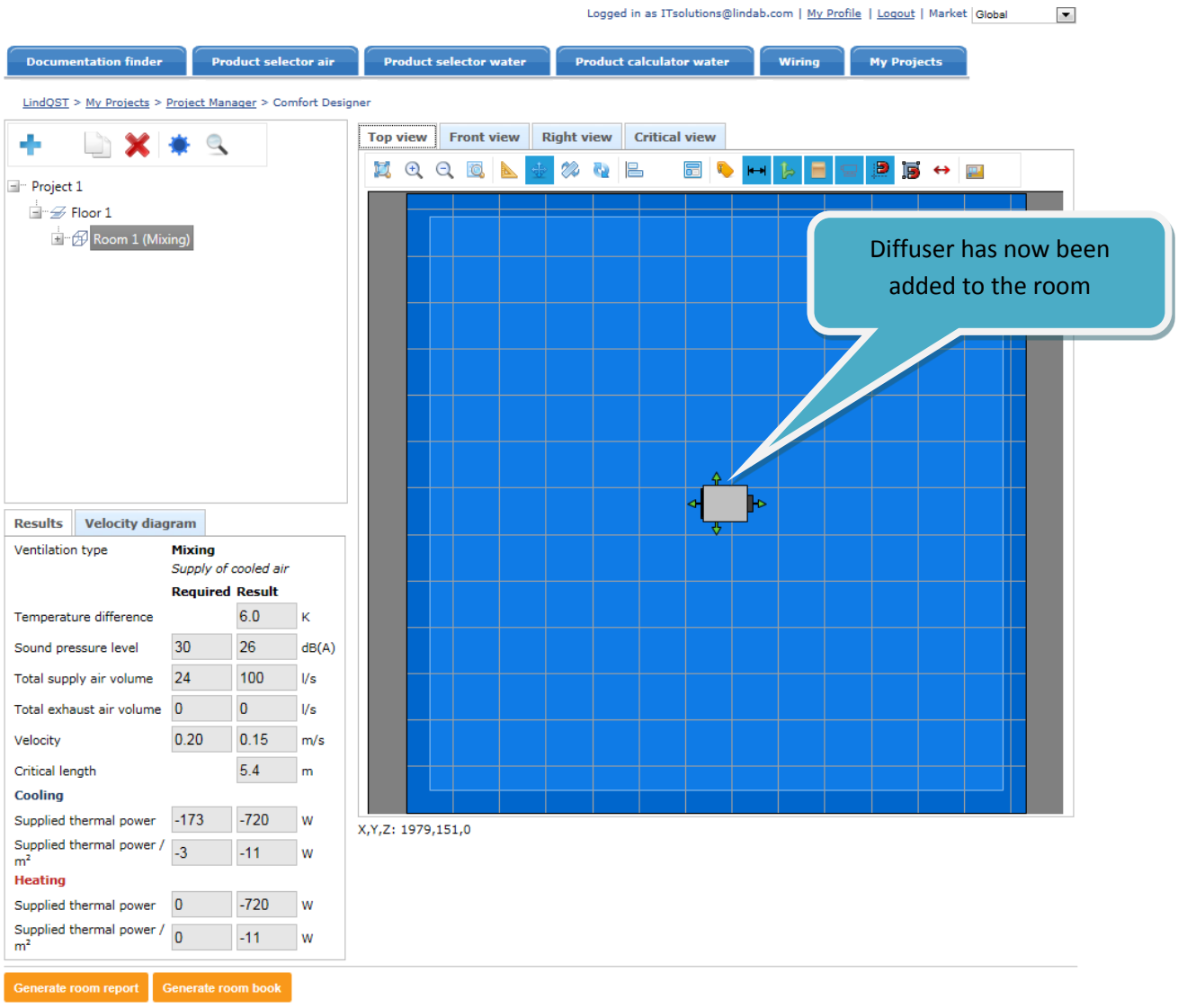

Create now
ADD TO PROJECT
You have not yet created any projects. Create now
25
10
100
qv [l/s]
500
1K
2K
4K
-1
-5
-15
-21
ΔL
14
11
8
15
21
18
20
18
Technical data
Air flow unit
l/s
m³/h
Air flow
100


Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Project Setup
Information
Settings
Project data
Project name Project 1
Design date 2/14/2013 1:16:48 PM
Project number 1
Plant number 2
Calculation number 3
Note
Customer
Name Lars Larsen
Company Ventilation
Country DENMARK
Street Larsengade
City Copenhagen
Zip code 2400
Phone 123456789
Fax 987654321
E-mail lars.larsen@lindab.com
Salesman
Name Jens Jensen
Company Lindab
Country Not selected
Street Jensengade
City Farum
Zip code 3520
Phone 987654321
Fax 123456789
E-mail ITsolutions@lindab.com
Ok
Type in customer informations
Your profile informations

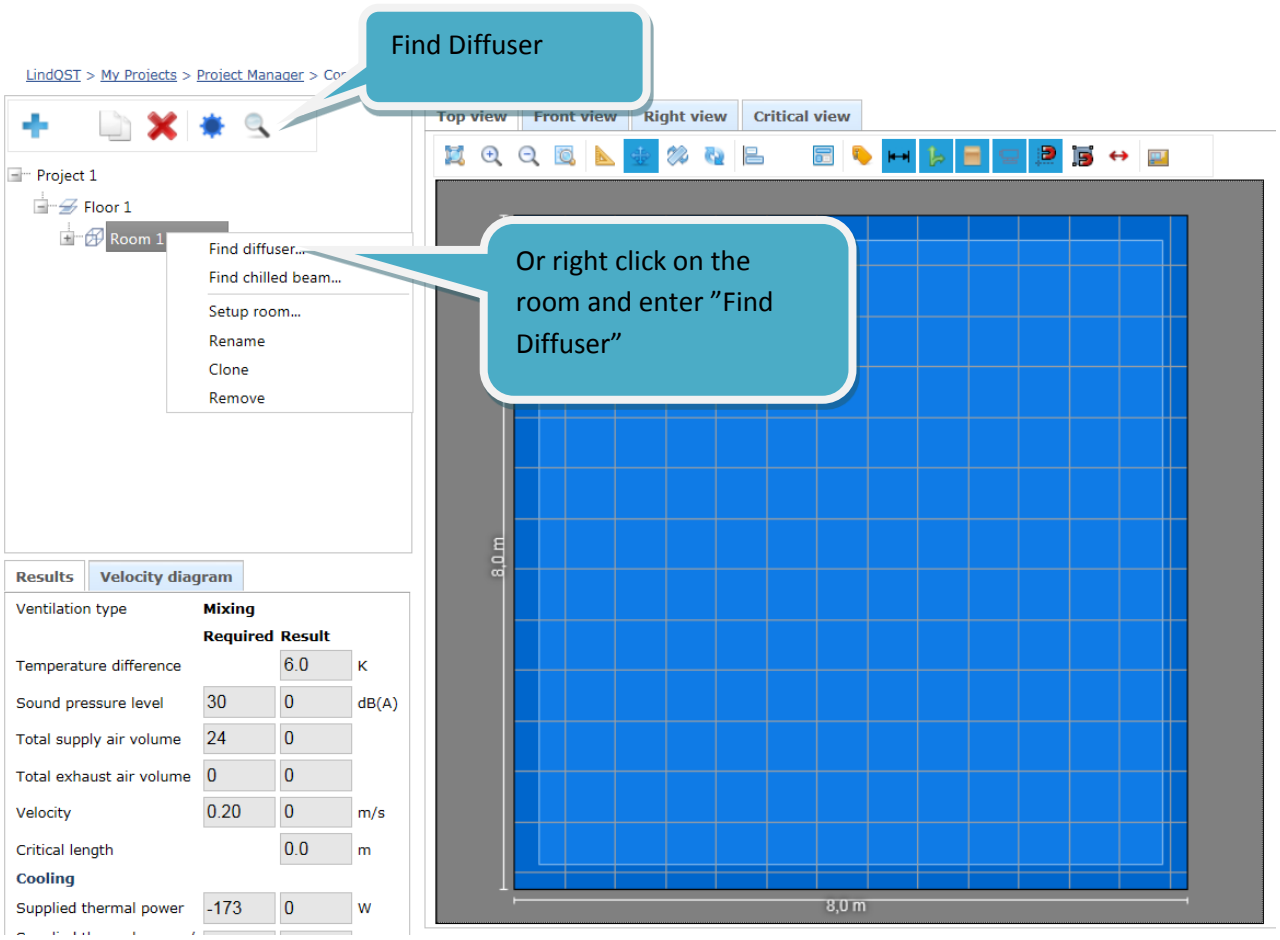

Mark the room and Enter ”Setup room”
Or right click on the mouse and enter ”setup room”
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Product selector water
Product calculator water
Wiring
My Projects
Edit project details
Project 1
Comfort designer...
Find diffuser...
Find chilled beam..
Setup room...
Rename
Clone
Remove
Velocity diagram
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 48 dB(A)
Total supply air volume 24 24 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power -173 -544 W
Supplied thermal power / m² -3 -8 W
Heating
Supplied thermal power 0 423 W
Supplied thermal power / m² 0 7 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies


Enter ”Geometry” and type in size of the room and ”Update”
General
Geometry
Dimension criterias
Geometry
Rectangular
Length, L
8.0
m
Width
8.0
Height, H
3.0
m
False ceiling height
2.4
m
No false ceiling
ceiling offset from wall, y
0.0
m
Width of false ceiling plates, w
0.6
m
Height of false ceiling plates, h
0.6
m
Area
64.0
m²
Volume
153.6
m³
Top view
Front view
Right view
Critical view
8.0 m


Enter”Comfort Designer”
8,0 m
X,Y,Z: -922,67,0
Ok
Comfort Designer


Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Front view
Right view
Critical view
Diffuser has now been added to the room
X,Y,Z: 1979,151,0
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 26 dB(A)
Total supply air volume 24 100 l/s
Total exhaust air volume 0 0 l/s
Velocity 0.20 0.15 m/s
Critical length 5.4 m
Cooling
Supplied thermal power -173 -720 W
Supplied thermal power / m² -3 -11 W
Heating
Supplied thermal power 0 -720 W
Supplied thermal power / m² 0 -11 W
Generate room report
Generate room book

8.3 Via Comfort Designer

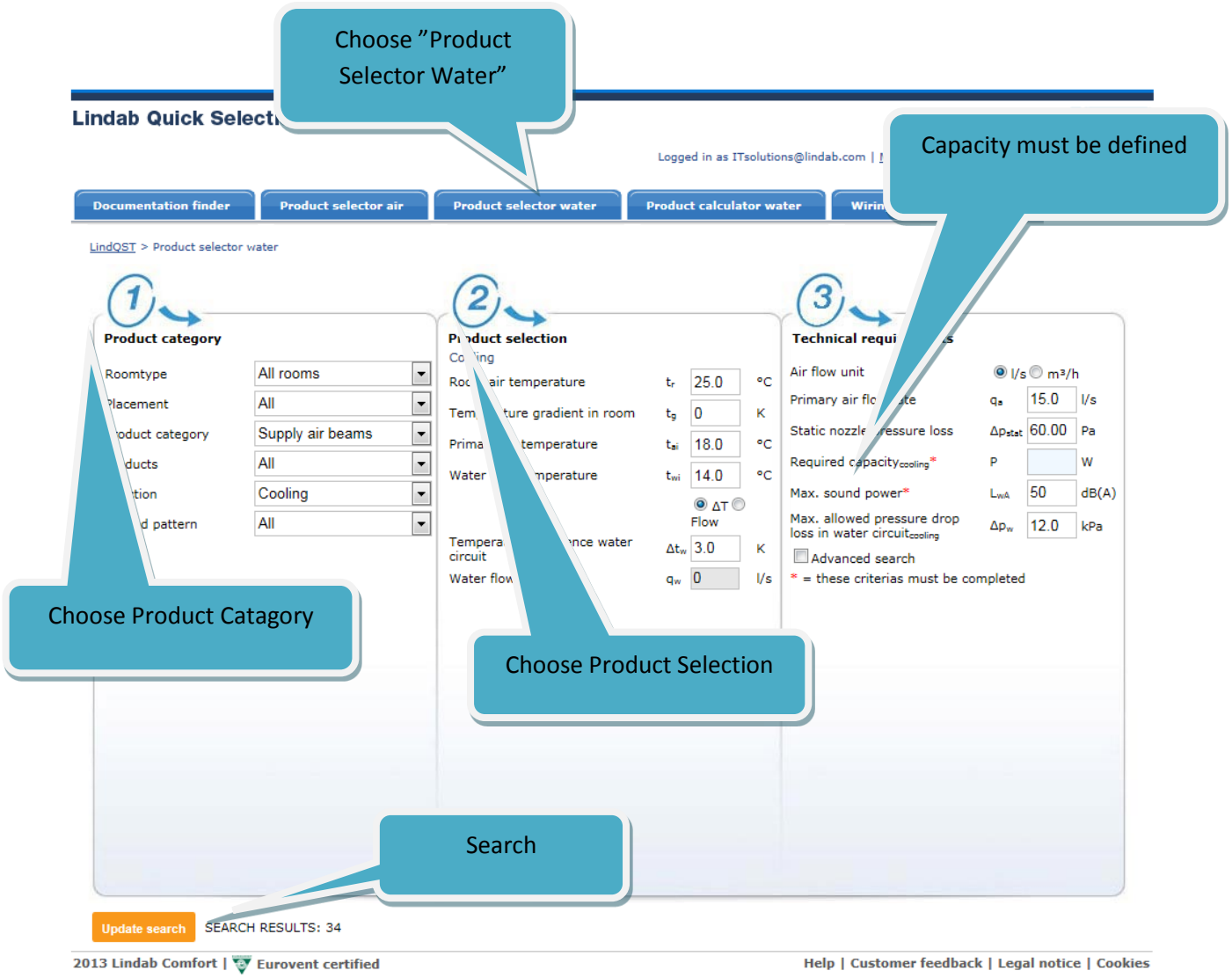


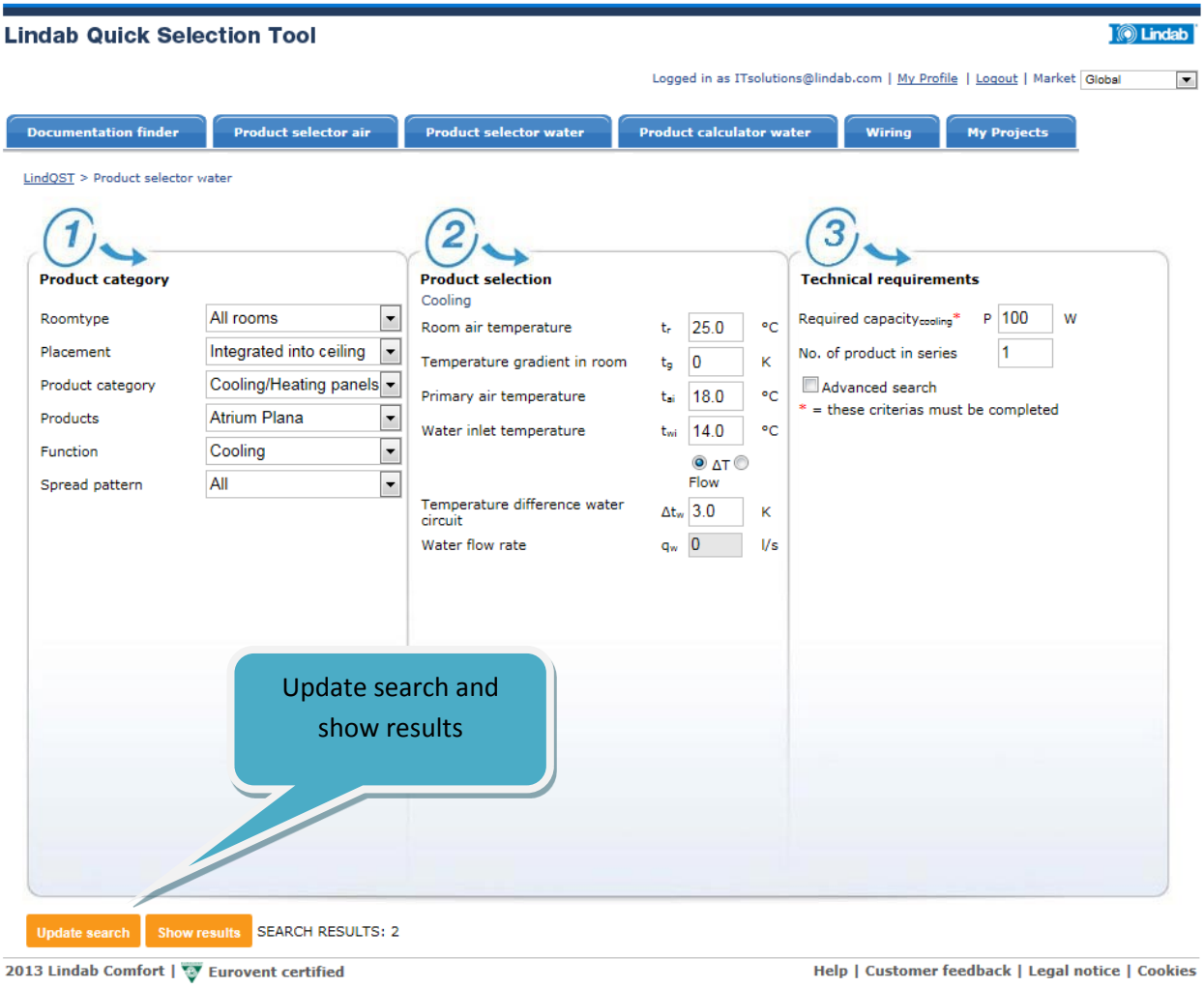
See way 1 to continue in chapter on page 89

9 Get a water borne solution into a room:

When searching for a Water Bourne Solution you can do a seach by one or more criterias. However capacity MUST be defined

9.1 Product Selector Water - room has been created:




Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector water
1
Product category
Roomtype
All rooms
Placement
Integrated into ceiling
Product category
Cooling/Heating panels
Products
Atrium Plana
Function
Cooling
Spread pattern
All
2
Product selection
Cooling
Room air temperature
Temperature gradient in room
Primary air temperature
Water inlet temperature
ΔT
Flow
Temperature difference water circuit
Water flow rate
3
Technical requirements
Required capacity
P
100
W
No. of product in series
1
Advanced search
* = these criterias must be completed
Update search and show results
Update search
Show results
SEARCH RESULTS: 2
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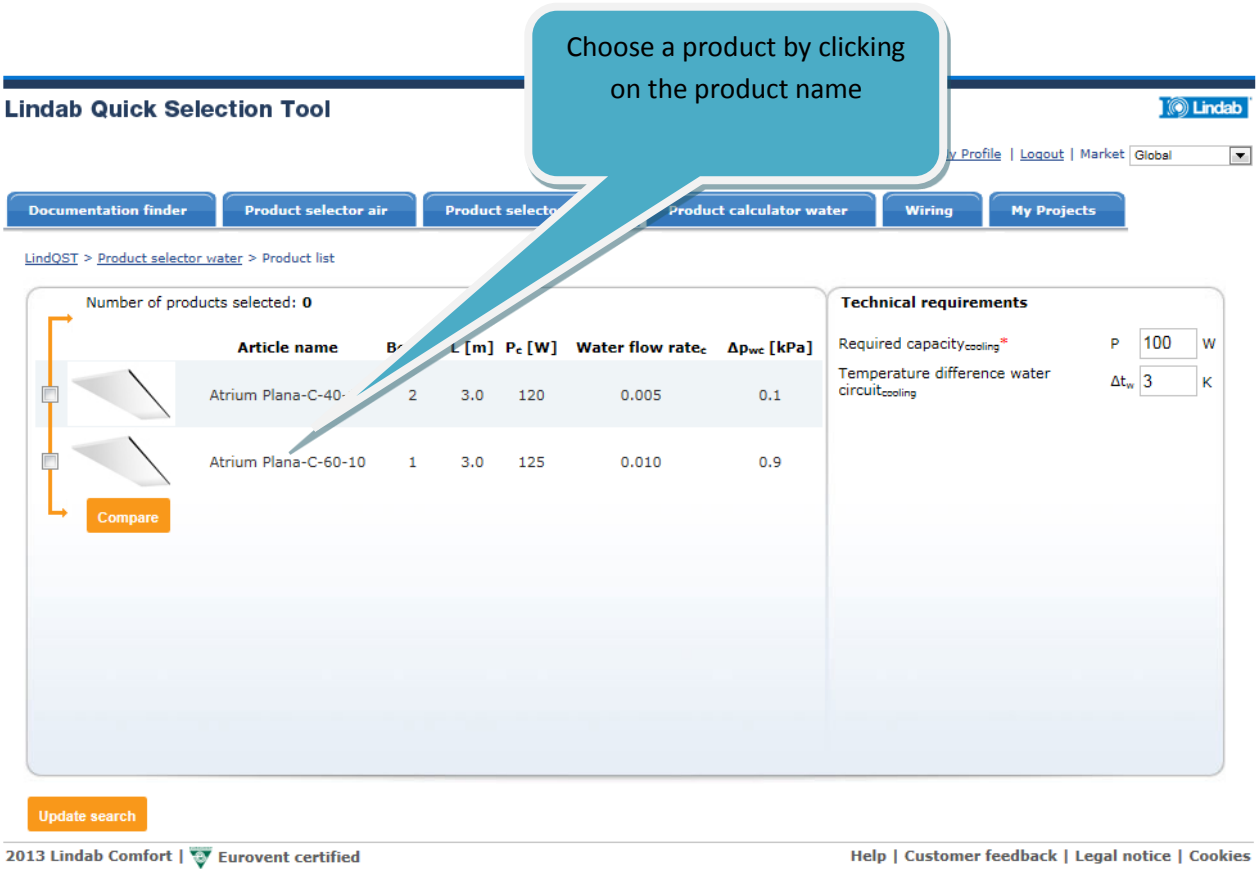

Choose a product by clicking on the product name
Lindab Quick Selection Tool
Lindab
y Profile | Logout | Market Global
Documentation finder
Product selector air
Product selecto
Product calculator water
Wiring
My Projects
LindQST > Product selector water > Product list
Number of products selected: 0
Article name
B
L [m]
Pc [W]
Water flow ratec
Δpwc [kPa]
Atrium Plana-C-40-
2
3.0
120
0.005
0.1
Atrium Plana-C-60-10
1
3.0
125
0.010
0.9
Compare
Technical requirements
Required capacitycooling*
P
100
W
Temperature difference water circuitcooling
Δtw
3
K
Update search
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies

Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product calculator water

Atrium Plana-C-60-10-1-3.0

Description | Related Documents

Atrium Plana is a heating and cooling panel. It has a flat surface which makes its appearance similar to the false ceiling, and can be installed recessed or into a suspended ceiling.
Atrium Plana is a discreet and unique panel solution from Lindab. Atrium Plana the lightest cooling panel on the market

- High degree of radiant cooling and heating
- Easy to clean
- Discreet appearance
- Eurovent certified

Product selection

Product list	Atrium Plana	
Function	Cooling	
No. of product in series	1	
Product width	60	
Water connection	10	mm
Connection type	1	
Product length	3.0	
Mounting type	Suspended with Lin	

Available lengths: 1.2m - 6.0m

Technical requirements

		Cooling	
Room air temperature	t_r	25	°C
Temperature gradient in room	t_g	0	K
Water inlet temperature	t_{wi}	14	°C
		ΔT / Flow	
Temperature difference water circuit	Δt_w	3	K
Primary air flow rate (total)	q_s	15	l/s

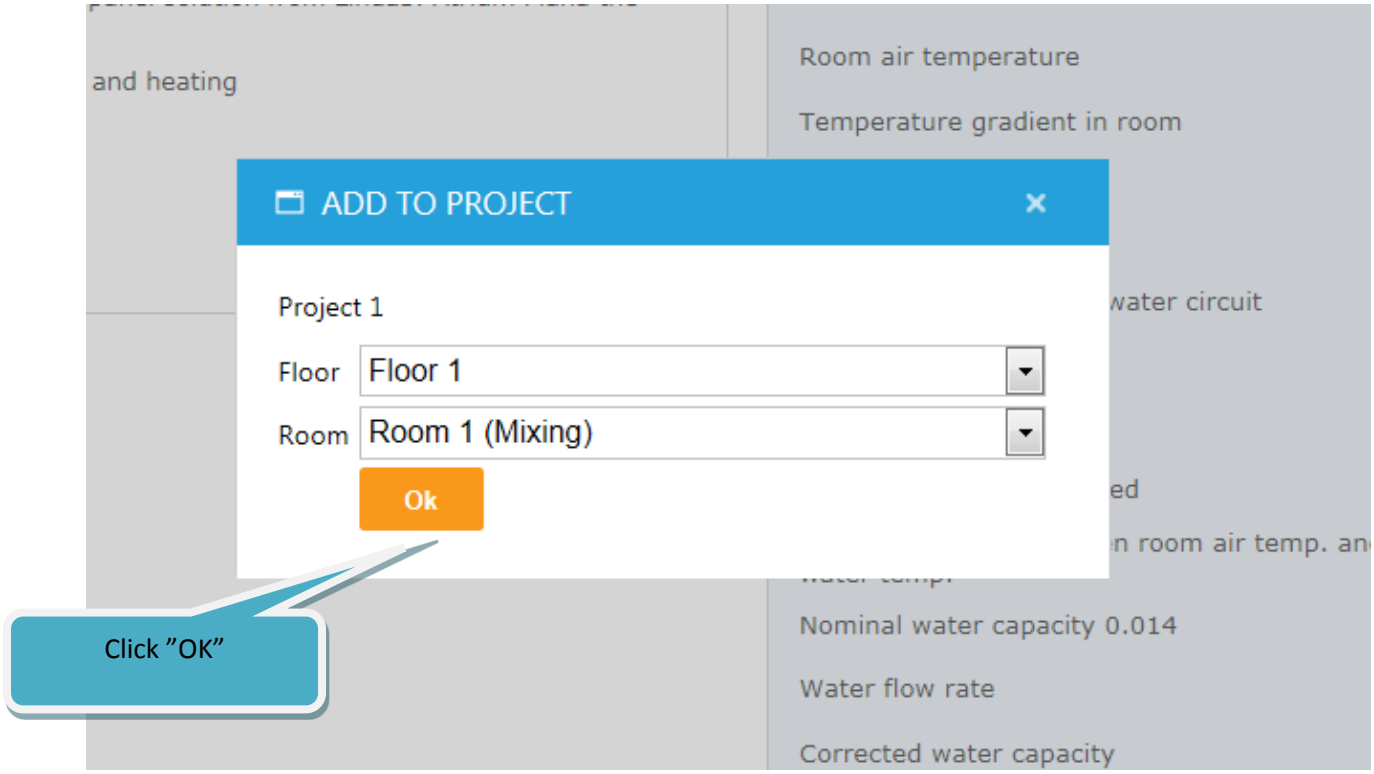
Calculate

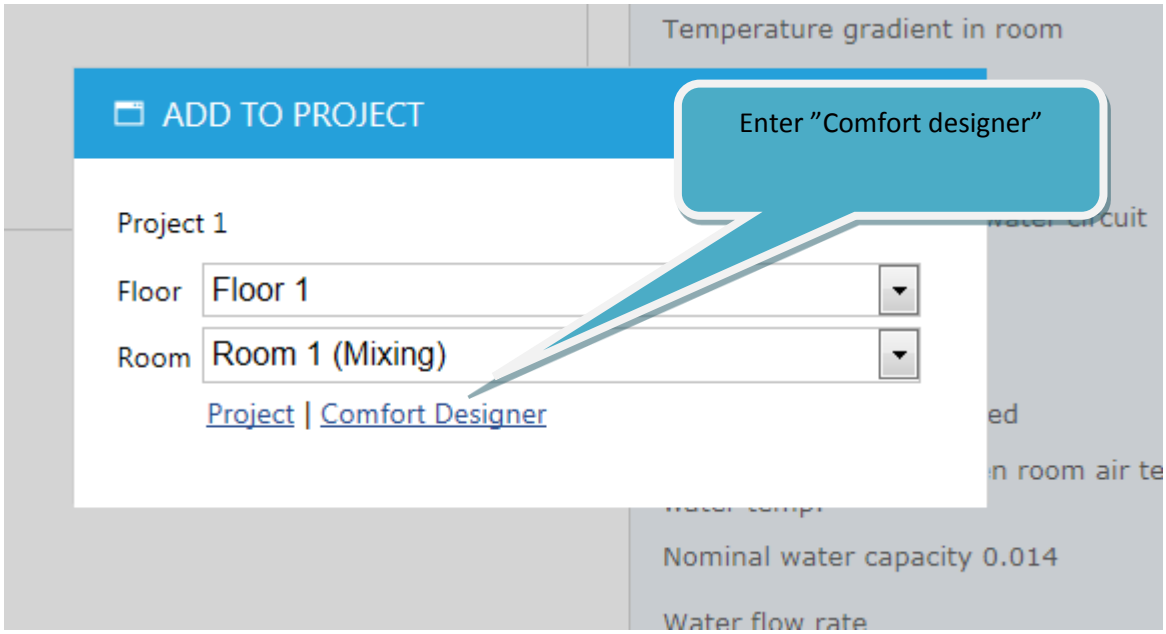
Result

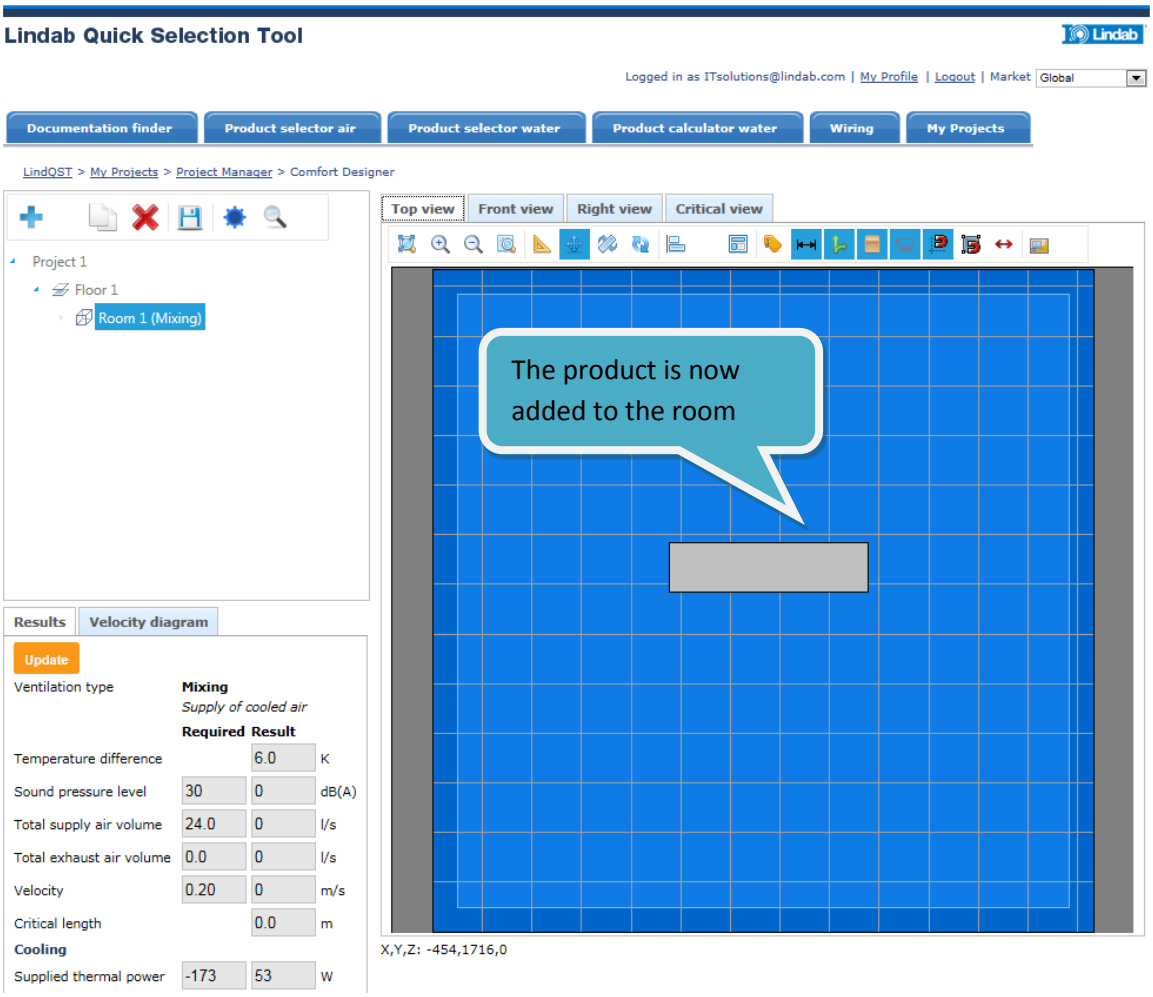
Number of beams required		1	
Temp. difference between room air temp. and mean water temp.	Δt_{rw}	9.50	K
Nominal water capacity 0.014 l/s	P_{nom}	175	W
Water flow rate	q_w	0.010	l/s
Corrected water capacity	P_w	125	W
Total capacity / beam	P	125	W
Total Capacity	**P**	**125**	**W**
Pipe pressure drop loss	Δp_w	0.9	kPa
Additional results			
Water capacity / active meter		43	W/m

Add to project | Generate PDF | Generate DXF

Add to project


and heating
Room air temperature
Temperature gradient in room
ADD TO PROJECT
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Ok
water circuit
ed
n room air temp. an
Nominal water capacity 0.014
Water flow rate
Corrected water capacity
Click ”OK”


Temperature gradient in room
ADD TO PROJECT
Enter ”Comfort designer”
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Project | Comfort Designer
ed
n room air te
Nominal water capacity 0.014
Water flow rate


Lindab Quick Selection Tool
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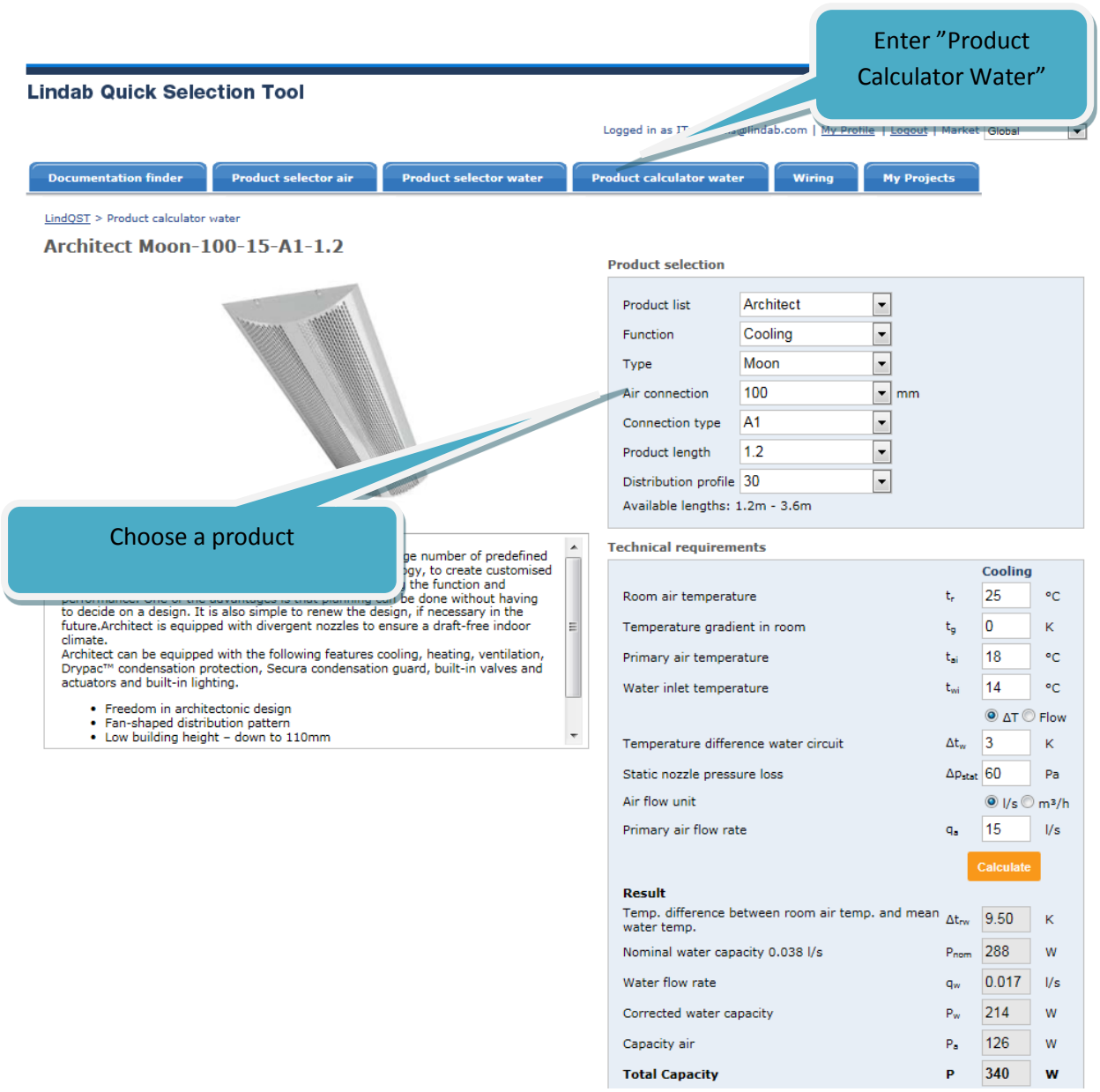
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Front view
Right view
Critical view
The product is now added to the room
Results
Velocity diagram
Update
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24.0 0 l/s
Total exhaust air volume 0.0 0 l/s
Velocity 0.20 0 m/s
Critical length 0.0 m
Cooling
Supplied thermal power -173 53 W
X,Y,Z: -454,1716,0

9.2 *Product calculator water - room has been created:*

Use Product Calculator Water if you know what product you want but needs to have a close look at the performance of the product


Enter ”Product Calculator Water”
Lindab Quick Selection Tool
Logged in as IT
@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product calculator water
Architect Moon-100-15-A1-1.2
Choose a product
to decide on a design. It is also simple to renew the design, if necessary in the future.Architect is equipped with divergent nozzles to ensure a draft-free indoor climate.
Architect can be equipped with the following features cooling, heating, ventilation, Drypac™ condensation protection, Secura condensation guard, built-in valves and actuators and built-in lighting.
Freedom in architectonic design
Fan-shaped distribution pattern
Low building height – down to 110mm
Product selection
Product list Architect
Function Cooling
Type Moon
Air connection 100 mm
Connection type A1
Product length 1.2
Distribution profile 30
Available lengths: 1.2m - 3.6m
Technical requirements
Cooling
Room air temperature 25 °C
Temperature gradient in room 0 K
Primary air temperature 18 °C
Water inlet temperature 14 °C
ΔT Flow
Temperature difference water circuit 3 K
Static nozzle pressure loss 60 Pa
Air flow unit l/s m³/h
Primary air flow rate 15 l/s
Calculate
Result
Temp. difference between room air temp. and mean water temp. 9.50 K
Nominal water capacity 0.038 l/s 288 W
Water flow rate 0.017 l/s
Corrected water capacity 214 W
Capacity air 126 W
Total Capacity 340 W

Add to project
Add to project
Generate PDF
Generate DXF
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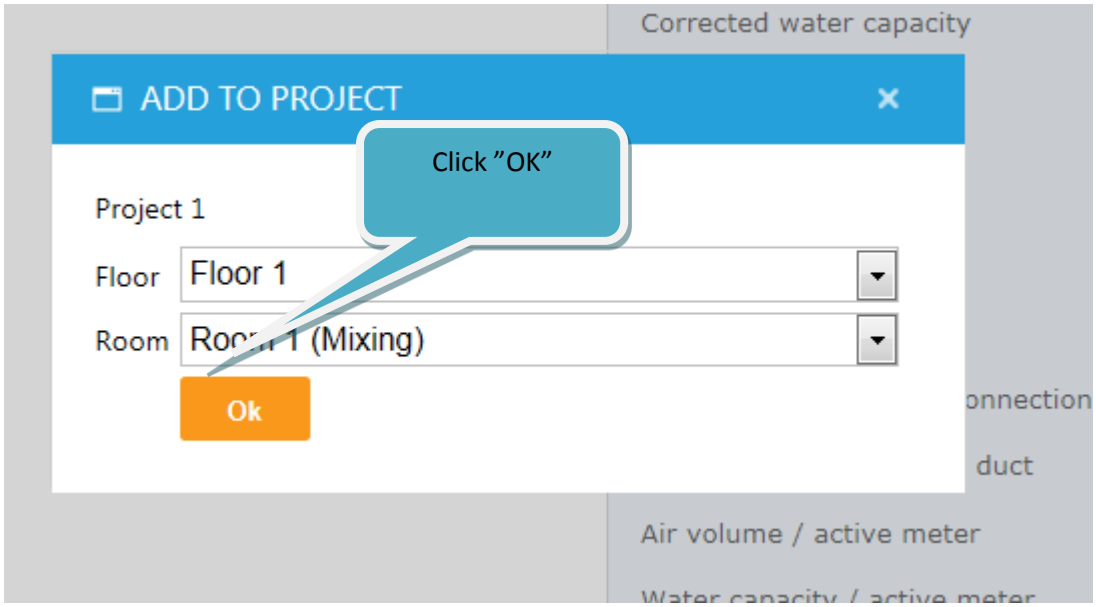
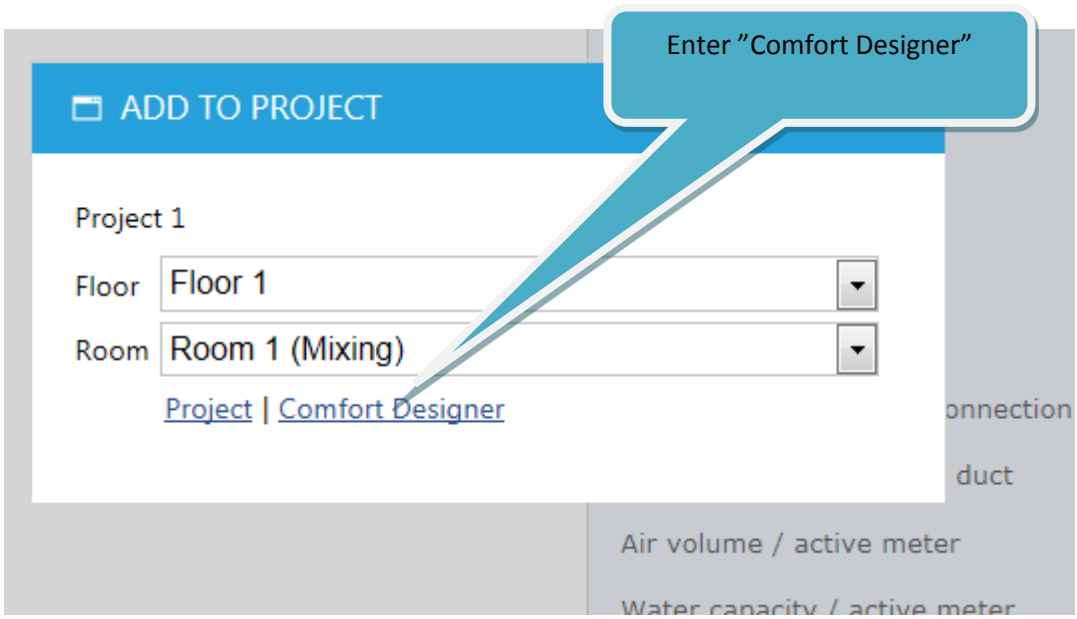
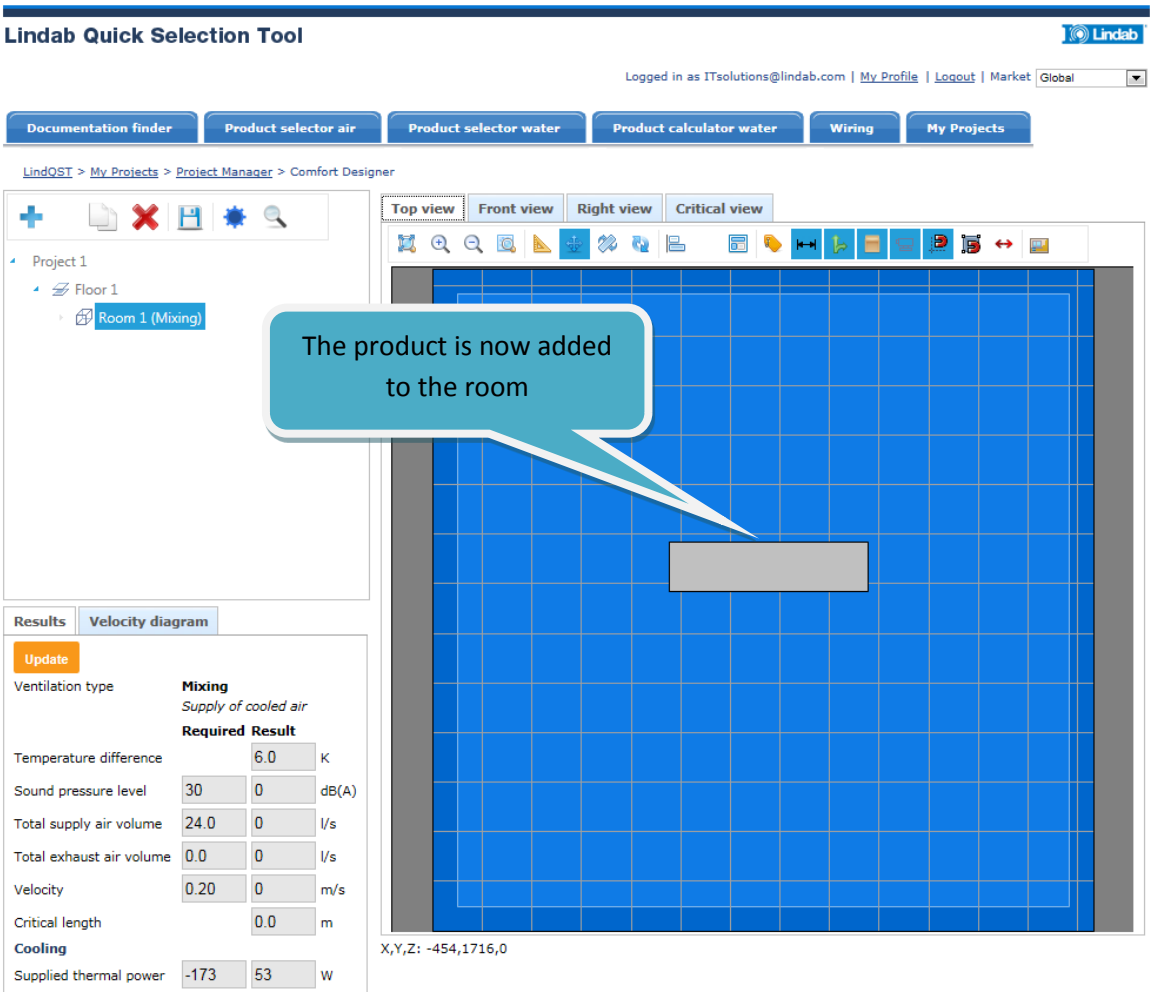
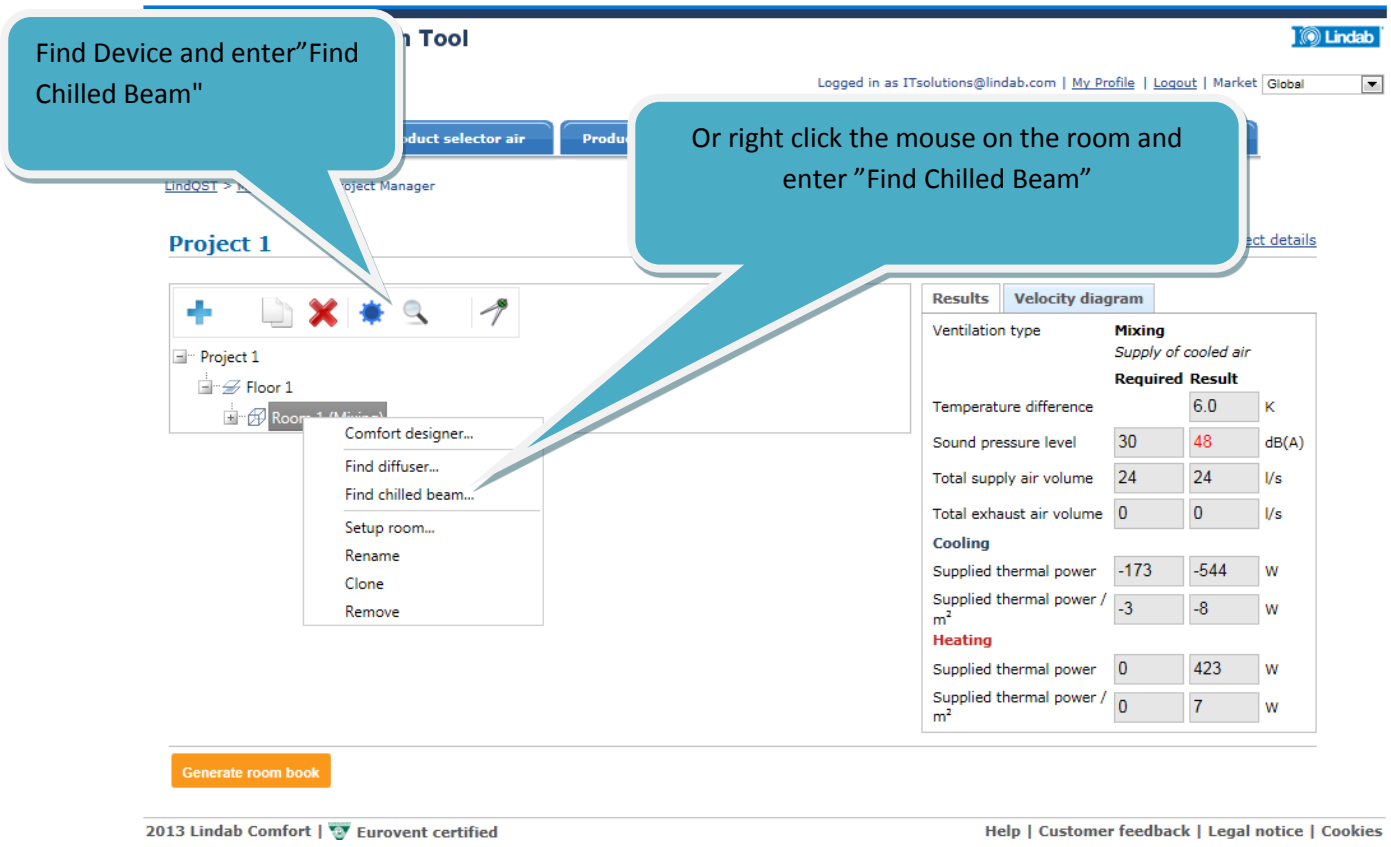

Corrected water capacity
ADD TO PROJECT
Click "OK"
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Ok
onnection
duct
Air volume / active meter
Water capacity / active meter


Enter ”Comfort Designer”
ADD TO PROJECT
Project 1
Floor
Floor 1
Room
Room 1 (Mixing)
Project | Comfort Designer
onnection
duct
Air volume / active meter

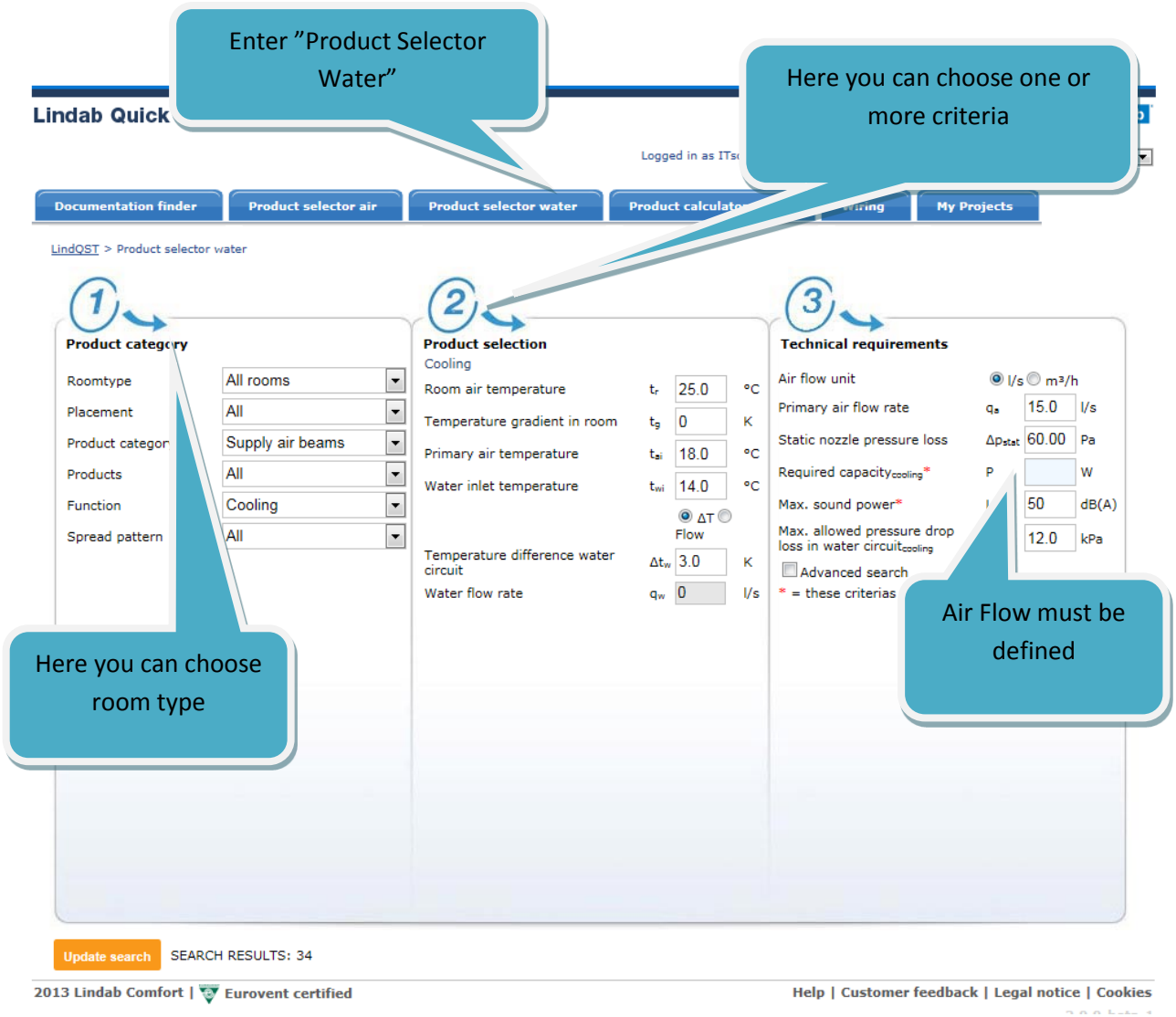

Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
The product is now added to the room
Top view
Front view
Right view
Critical view
Results
Velocity diagram
Update
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24.0 0 l/s
Total exhaust air volume 0.0 0 l/s
Velocity 0.20 0 m/s
Critical length 0.0 m
Cooling
Supplied thermal power -173 53 W
X,Y,Z: -454,1716,0

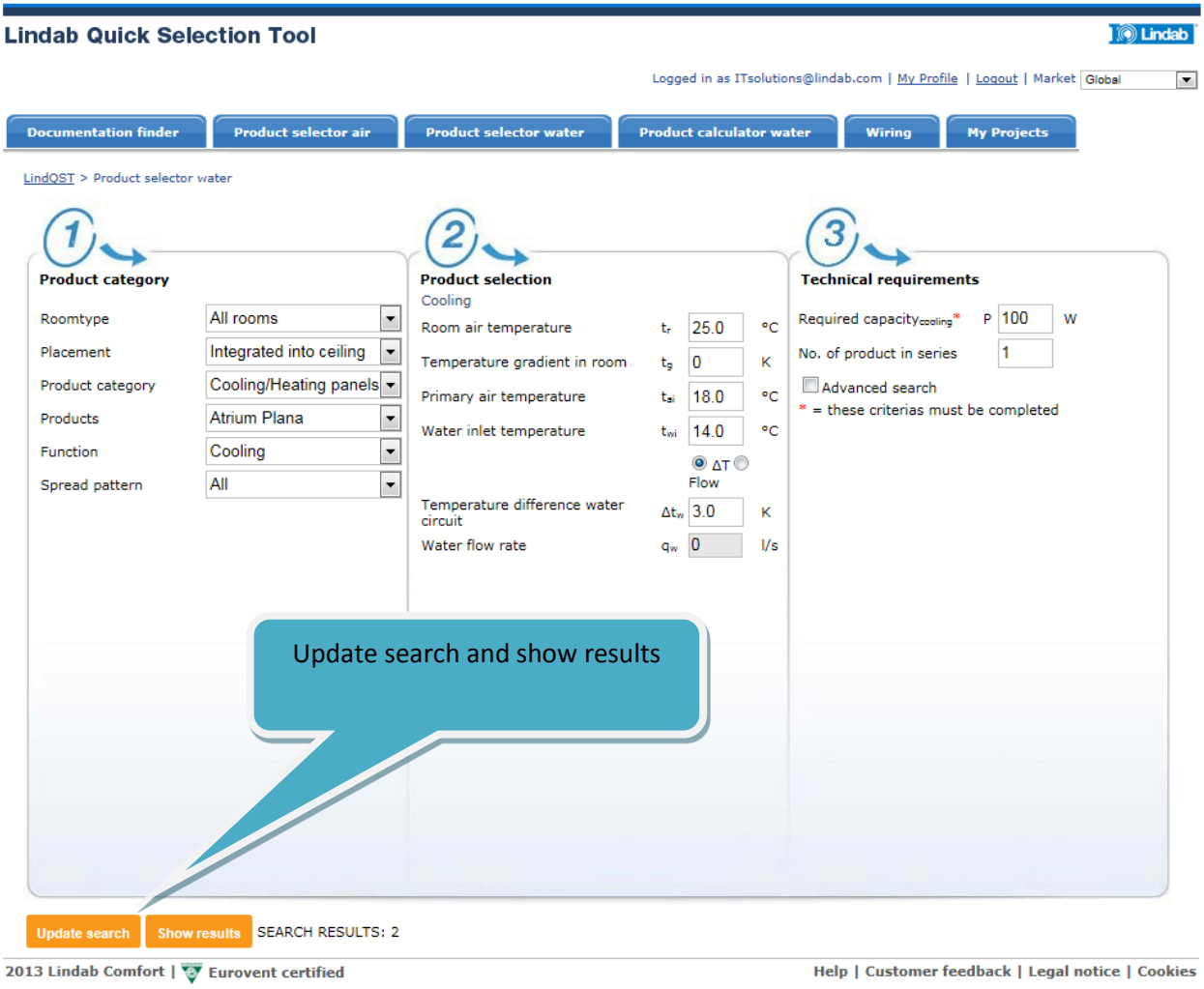
9.3 Comfort Designer


Find Device and enter"Find Chilled Beam"
Or right click the mouse on the room and enter "Find Chilled Beam"
Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Project 1
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 48 dB(A)
Total supply air volume 24 24 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power -173 -544 W
Supplied thermal power / m² -3 -8 W
Heating
Supplied thermal power 0 423 W
Supplied thermal power / m² 0 7 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies

See way 1 to continue in chapter Product Selector Water - room has been created:106

9.4 *Product Selector Water - Room has not been created:*




Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector water
1
Product category
Roomtype
All rooms
Placement
Integrated into ceiling
Product category
Cooling/Heating panels
Products
Atrium Plana
Function
Cooling
Spread pattern
All
2
Product selection
Cooling
Room air temperature
Temperature gradient in room
Primary air temperature
Water inlet temperature
ΔT
Flow
Temperature difference water circuit
Water flow rate
3
Technical requirements
Required capacity
P
100
W
No. of product in series
1
Advanced search
* = these criterias must be completed
Update search and show results
Update search
Show results
SEARCH RESULTS: 2
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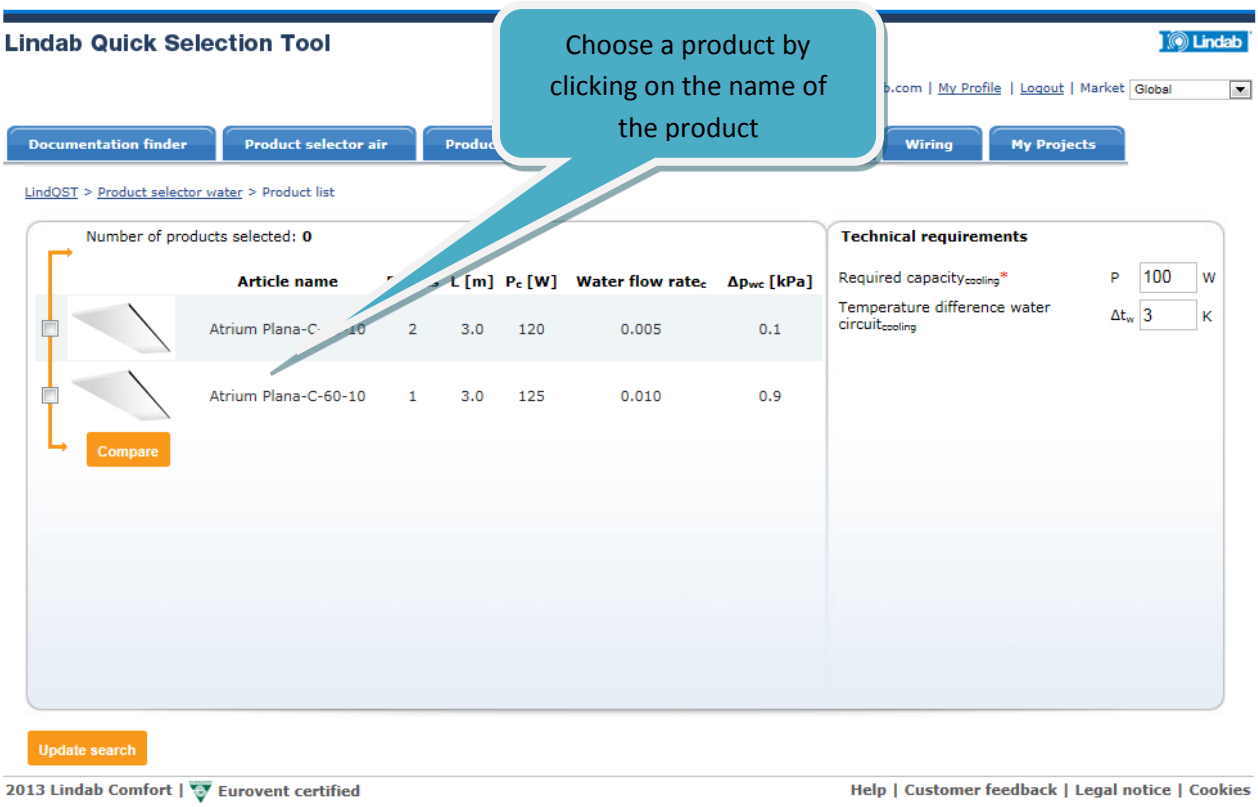
Help | Customer feedback | Legal notice | Cookies


Lindab Quick Selection Tool
Choose a product by clicking on the name of the product
My Profile | Logout | Market Global
Documentation finder
Product selector air
Wiring
My Projects
LindQST > Product selector water > Product list
Number of products selected: 0
Article name
L [m]
Pc [W]
Water flow rate
Δpwc [kPa]
Atrium Plana-C
2
3.0
120
0.005
0.1
Atrium Plana-C-60-10
1
3.0
125
0.010
0.9
Compare
Technical requirements
Required capacity cooling*
P
100
W
Temperature difference water circuit cooling
Δtw
3
K
Update search
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Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product calculator water

Atrium Plana-C-60-10-1-3.0

Description | Related Documents

Atrium Plana is a heating and cooling panel. It has a flat surface which makes its appearance similar to the false ceiling, and can be installed recessed or into a suspended ceiling.
Atrium Plana is a discreet and unique panel solution from Lindab. Atrium Plana the lightest cooling panel on the market

- High degree of radiant cooling and heating
- Easy to clean
- Discreet appearance
- Eurovent certified

Add to project

Add to project | Generate PDF | Generate DXF

Product selection

Product list	Atrium Plana	
Function	Cooling	
No. of product in series	1	
Product width	60	
Water connection	10	mm
Connection type	1	
Product length	3.0	
Mounting type	Suspended with Lin	

Available lengths: 1.2m - 6.0m

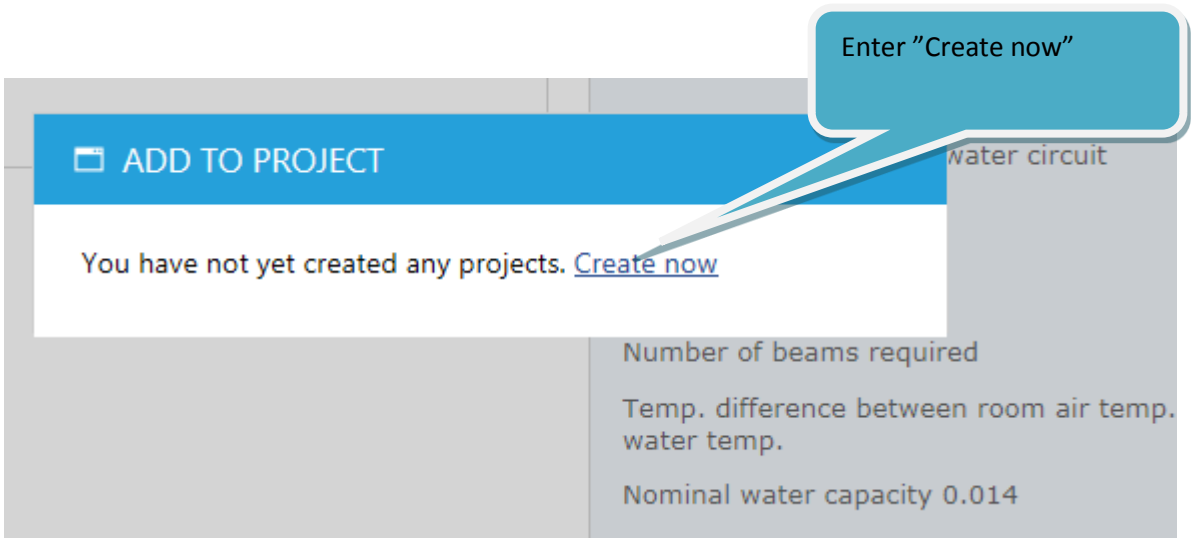
Technical requirements

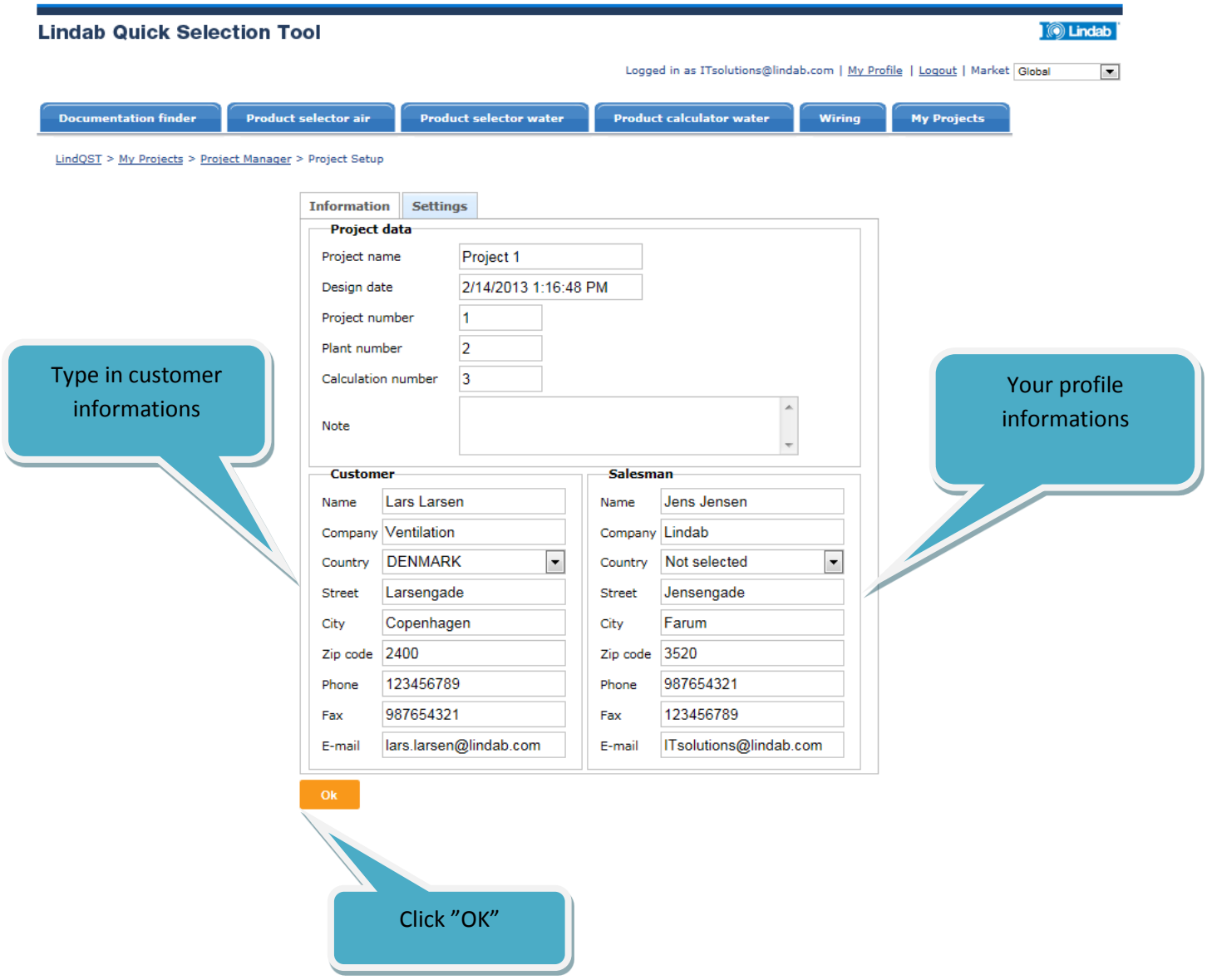
		Cooling	
Room air temperature	t_r	25	°C
Temperature gradient in room	t_g	0	K
Water inlet temperature	t_{wi}	14	°C
		ΔT / Flow	
Temperature difference water circuit	Δt_w	3	K
Primary air flow rate (total)	q_s	15	l/s

Calculate

Result

Number of beams required		1	
Temp. difference between room air temp. and mean water temp.	Δt_{rw}	9.50	K
Nominal water capacity 0.014 l/s	P_{nom}	175	W
Water flow rate	q_w	0.010	l/s
Corrected water capacity	P_w	125	W
Total capacity / beam	P	125	W
Total Capacity	**P**	**125**	**W**
Pipe pressure drop loss	Δp_w	0.9	kPa
Additional results			
Water capacity / active meter		43	W/m


Enter ”Create now”
ADD TO PROJECT
You have not yet created any projects. Create now
water circuit
Number of beams required
Temp. difference between room air temp. water temp.
Nominal water capacity 0.014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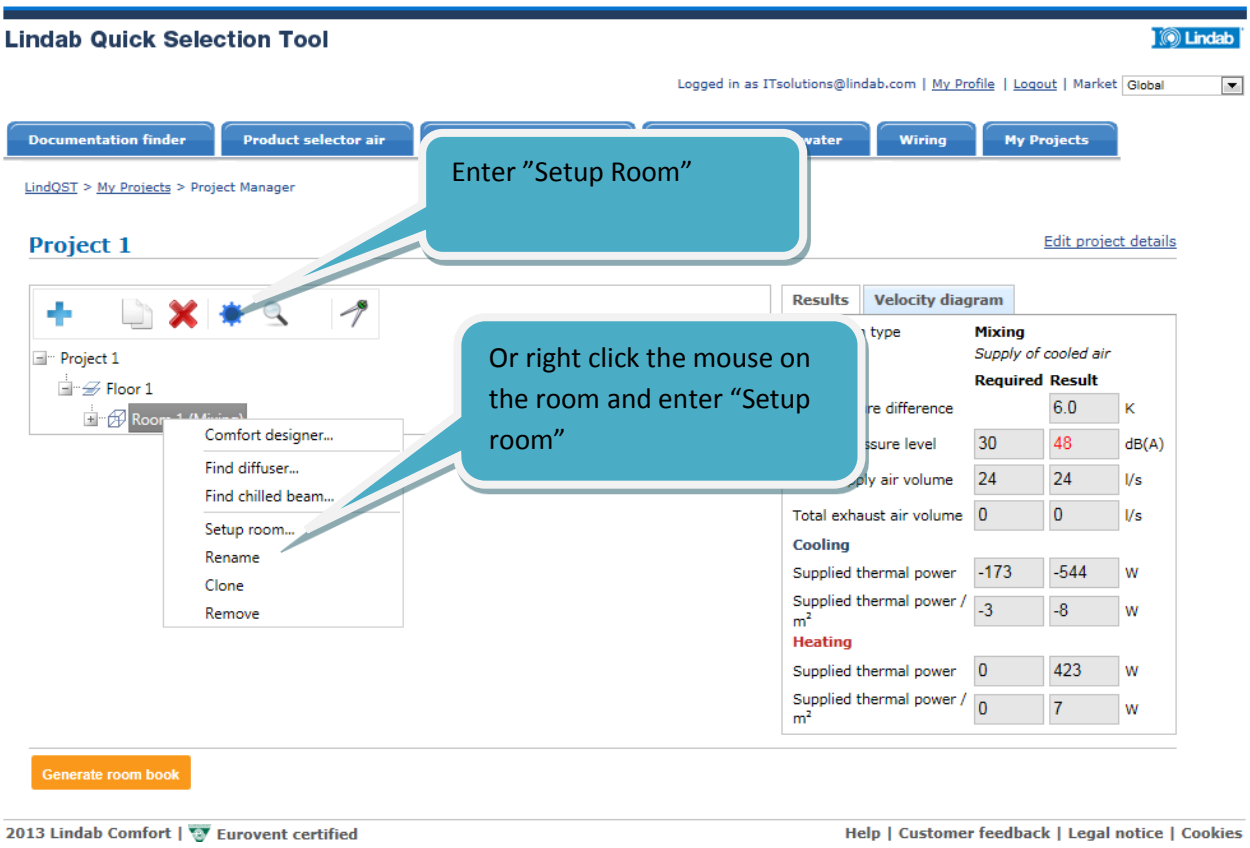
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Project Setup
Information
Settings
Project data
Project name Project 1
Design date 2/14/2013 1:16:48 PM
Project number 1
Plant number 2
Calculation number 3
Note
Customer
Name Lars Larsen
Company Ventilation
Country DENMARK
Street Larsengade
City Copenhagen
Zip code 2400
Phone 123456789
Fax 987654321
E-mail lars.larsen@lindab.com
Salesman
Name Jens Jensen
Company Lindab
Country Not selected
Street Jensengade
City Farum
Zip code 3520
Phone 987654321
Fax 123456789
E-mail ITsolutions@lindab.com
Ok
Type in customer informations
Your profile informations
Click ”OK”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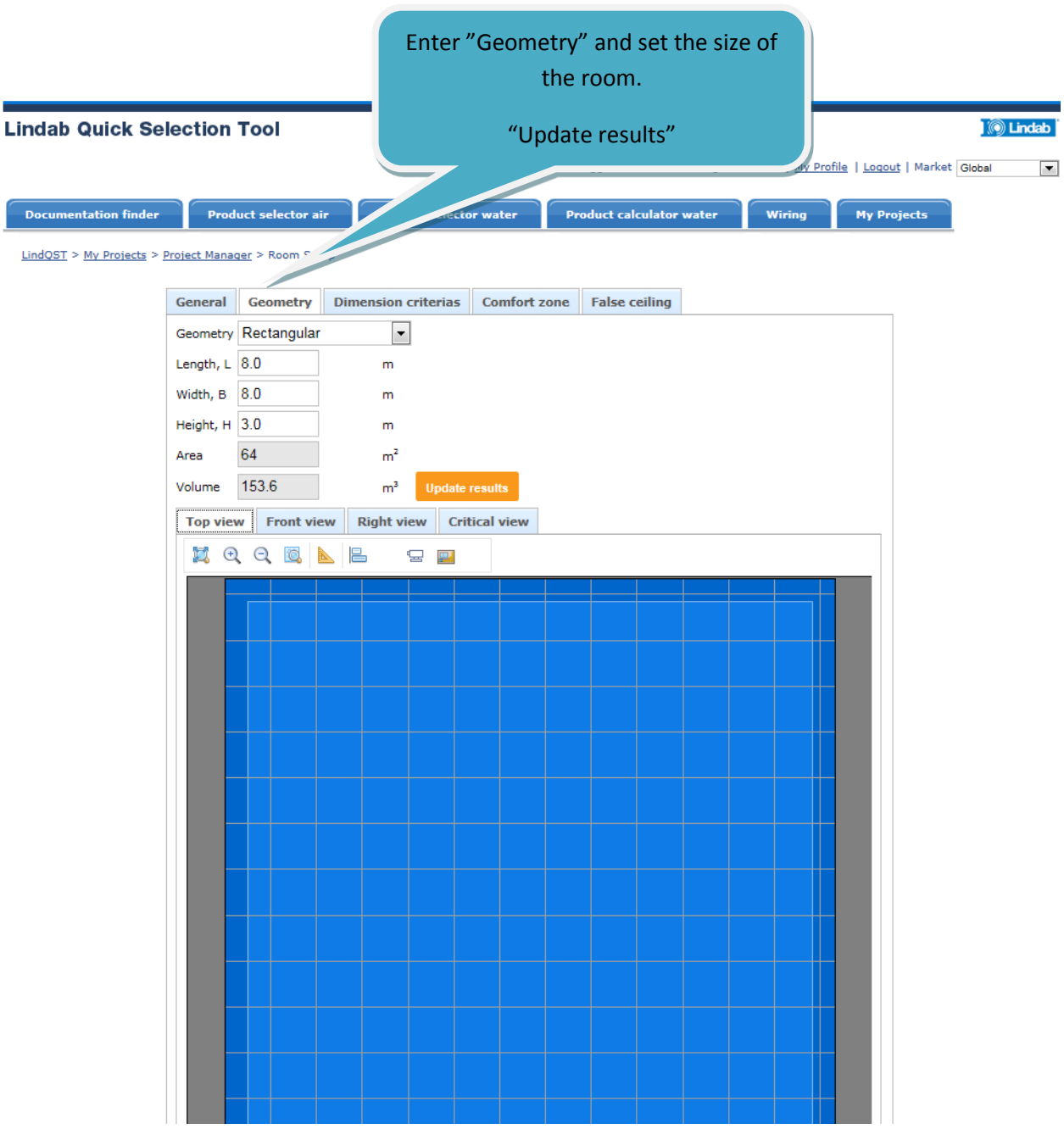
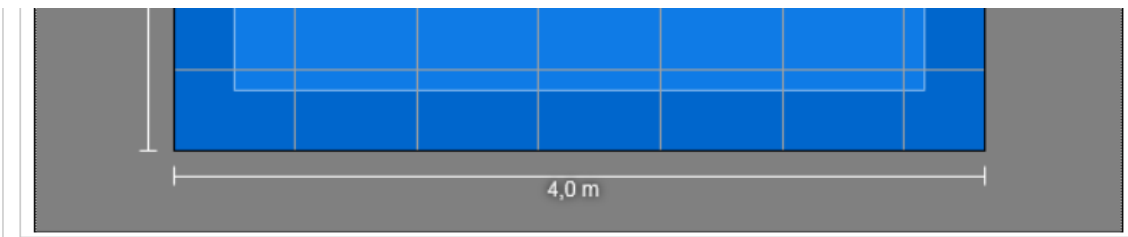
Documentation finder
Product selector air
Wiring
My Projects
LindQST > My Projects > Project Manager
Enter ”Setup Room”
Project 1
Edit project details
Or right click the mouse on the room and enter “Setup room”
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Results
Velocity diagram
Mixing
Supply of cooled air
Required Result
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power -173 -544 W
Supplied thermal power / m² -3 -8 W
Heating
Supplied thermal power 0 423 W
Supplied thermal power / m² 0 7 W
Generate room book
2013 Lindab Comfort | Eurovent certified
Help | Customer feedback | Legal notice | Cookies

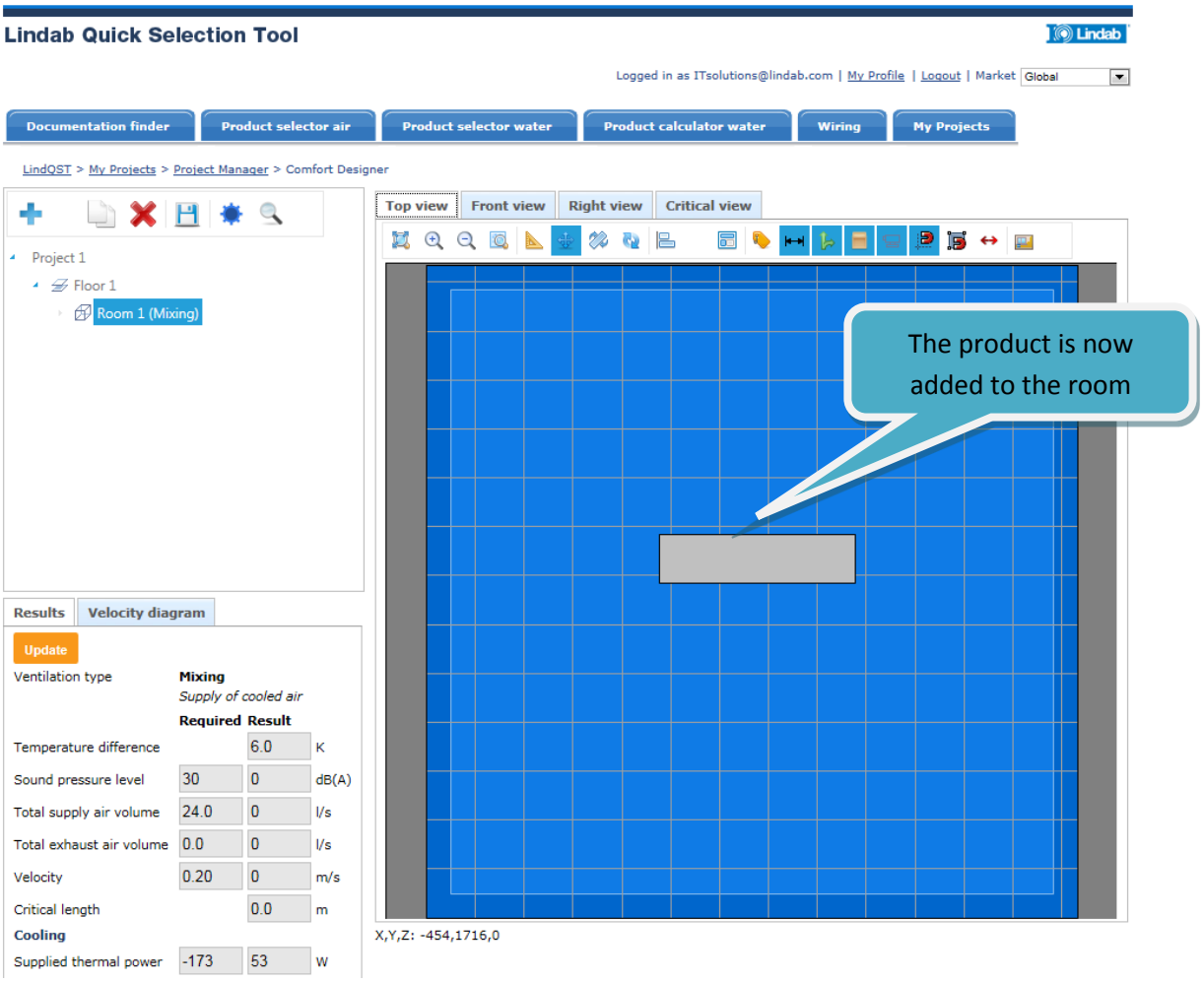




X,Y,Z: 1958,-315,0

Ok | Comfort Designer

Enter ”Comfort Designer”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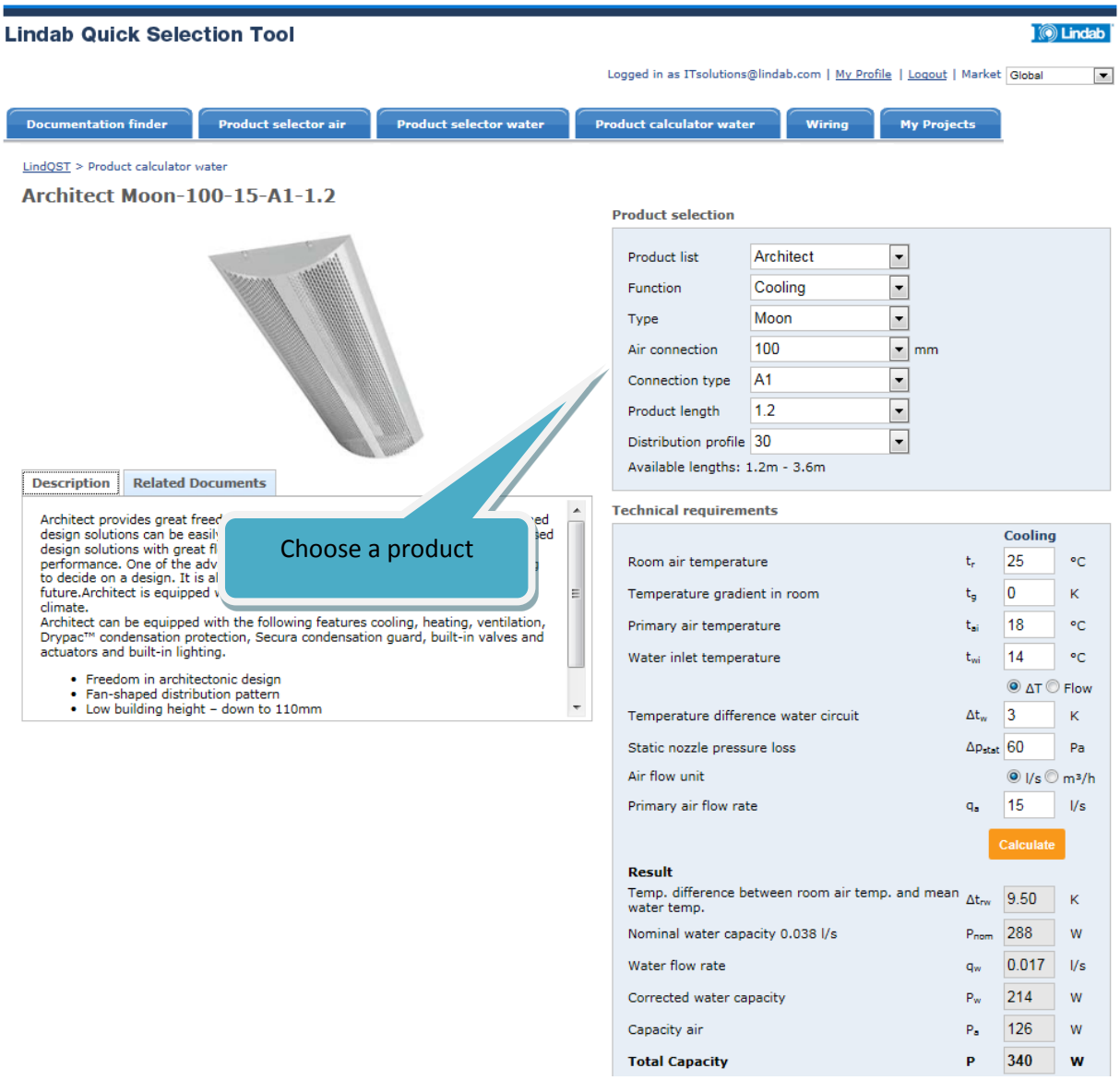
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Front view
Right view
Critical view
The product is now added to the room
Results
Velocity diagram
Update
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24.0 0 l/s
Total exhaust air volume 0.0 0 l/s
Velocity 0.20 0 m/s
Critical length 0.0 m
Cooling
Supplied thermal power -173 53 W
X,Y,Z: -454,1716,0

9.5 Product Calculator Water - Room has not been created: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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product calculator water
Architect Moon-100-15-A1-1.2
Description
Related Documents
Architect provides great freed
design solutions can be easil
design solutions with great fl
performance. One of the adv
to decide on a design. It is al
future.Architect is equipped
climate.
Architect can be equipped with the following features cooling, heating, ventilation, Drypac™ condensation protection, Secura condensation guard, built-in valves and actuators and built-in lighting.
Freedom in architectonic design
Fan-shaped distribution pattern
Low building height – down to 110mm
Choose a product
Product selection
Product list Architect
Function Cooling
Type Moon
Air connection 100 mm
Connection type A1
Product length 1.2
Distribution profile 30
Available lengths: 1.2m - 3.6m
Technical requirements
Cooling
Room air temperature
Temperature gradient in room
Primary air temperature
Water inlet temperature
ΔT Flow
Temperature difference water circuit
Static nozzle pressure loss
Air flow unit l/s m³/h
Primary air flow rate 15 l/s
Calculate
Result
Temp. difference between room air temp. and mean water temp. 9.50 K
Nominal water capacity 0.038 l/s 288 W
Water flow rate 0.017 l/s
Corrected water capacity 214 W
Capacity air 126 W
Total Capacity 340 W

Add to project
Add to project
Generate PDF
Generate DXF
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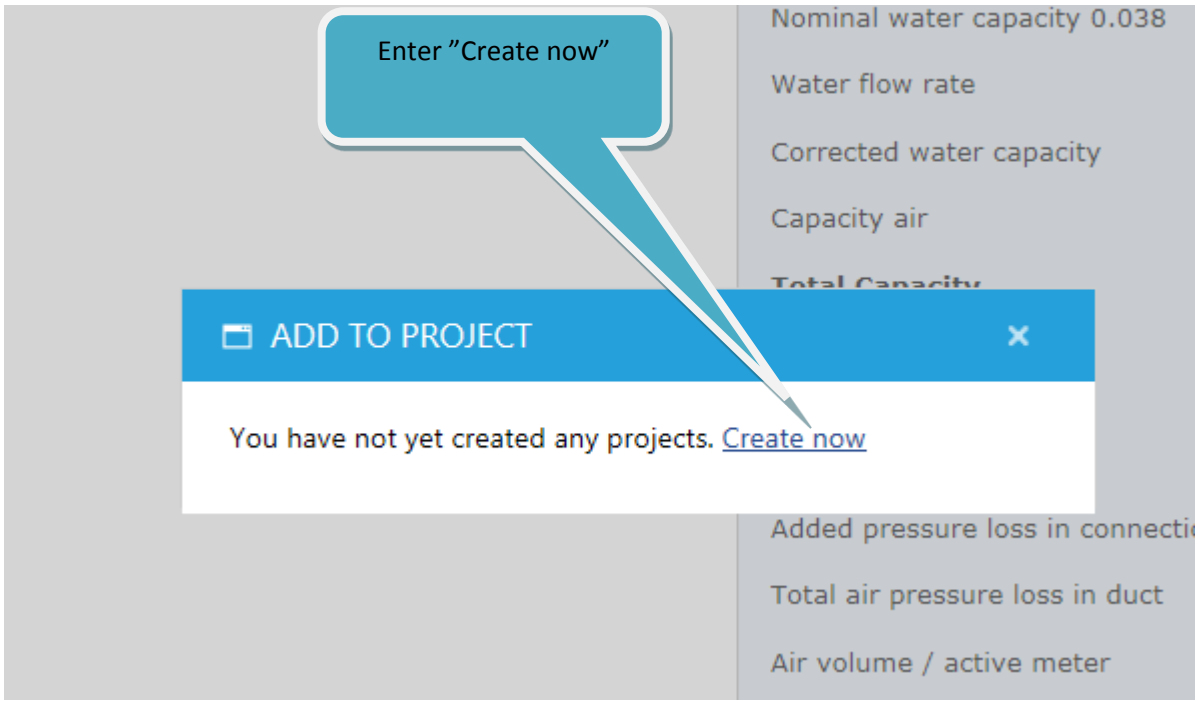
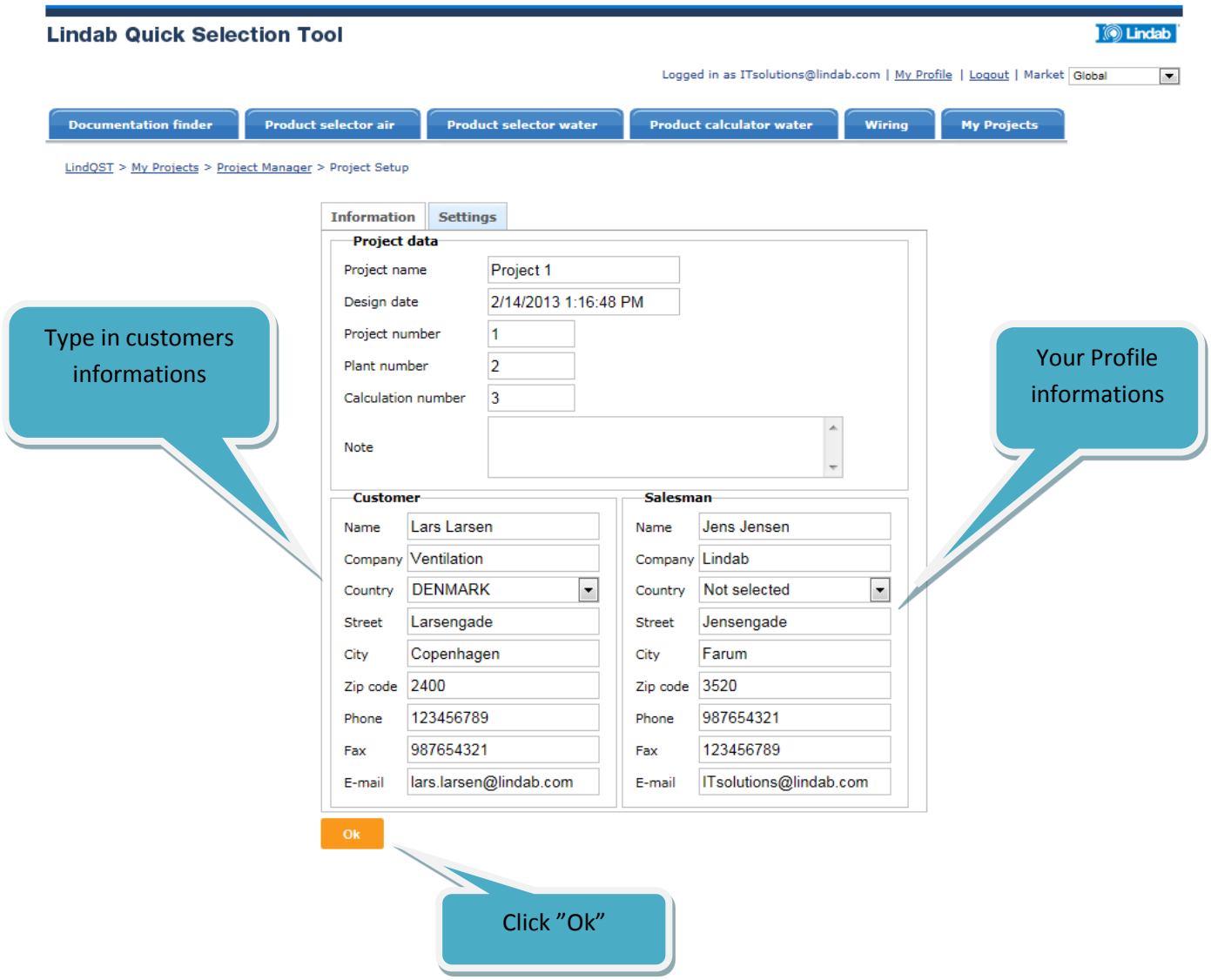

Enter ”Create now”
Nominal water capacity 0.038
Water flow rate
Corrected water capacity
Capacity air
ADD TO PROJECT
You have not yet created any projects. Create now
Added pressure loss in connecti
Total air pressure loss in duct
Air volume / active meter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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Project Setup
Information
Settings
Project data
Project name
Project 1
Design date
2/14/2013 1:16:48 PM
Project number
1
Plant number
2
Calculation number
3
Note
Customer
Name
Lars Larsen
Company
Ventilation
Country
DENMARK
Street
Larsengade
City
Copenhagen
Zip code
2400
Phone
123456789
Fax
987654321
E-mail
lars.larsen@lindab.com
Salesman
Name
Jens Jensen
Company
Lindab
Country
Not selected
Street
Jensengade
City
Farum
Zip code
3520
Phone
987654321
Fax
123456789
E-mail
ITsolutions@lindab.com
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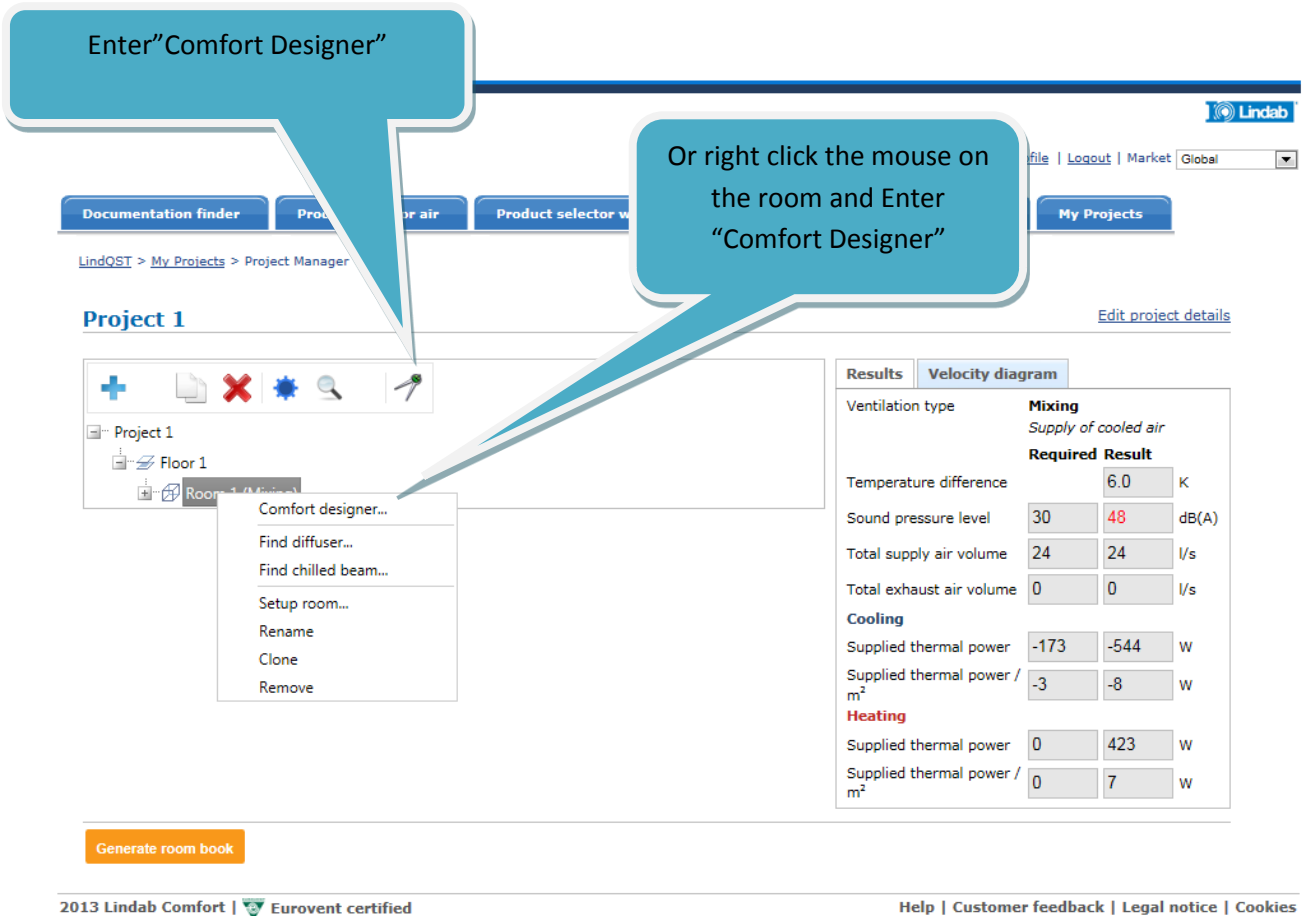
Type in customers informations
Your Profile informations
Click ”Ok”


Enter”Comfort Designer”
Or right click the mouse on the room and Enter “Comfort Designer”
Documentation finder
Product selector w
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Comfort designer...
Find diffuser...
Find chilled beam...
Setup room...
Rename
Clone
Remove
Results
Velocity diagram
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 48 dB(A)
Total supply air volume 24 24 l/s
Total exhaust air volume 0 0 l/s
Cooling
Supplied thermal power -173 -544 W
Supplied thermal power / m² -3 -8 W
Heating
Supplied thermal power 0 423 W
Supplied thermal power / m² 0 7 W
Generate room book
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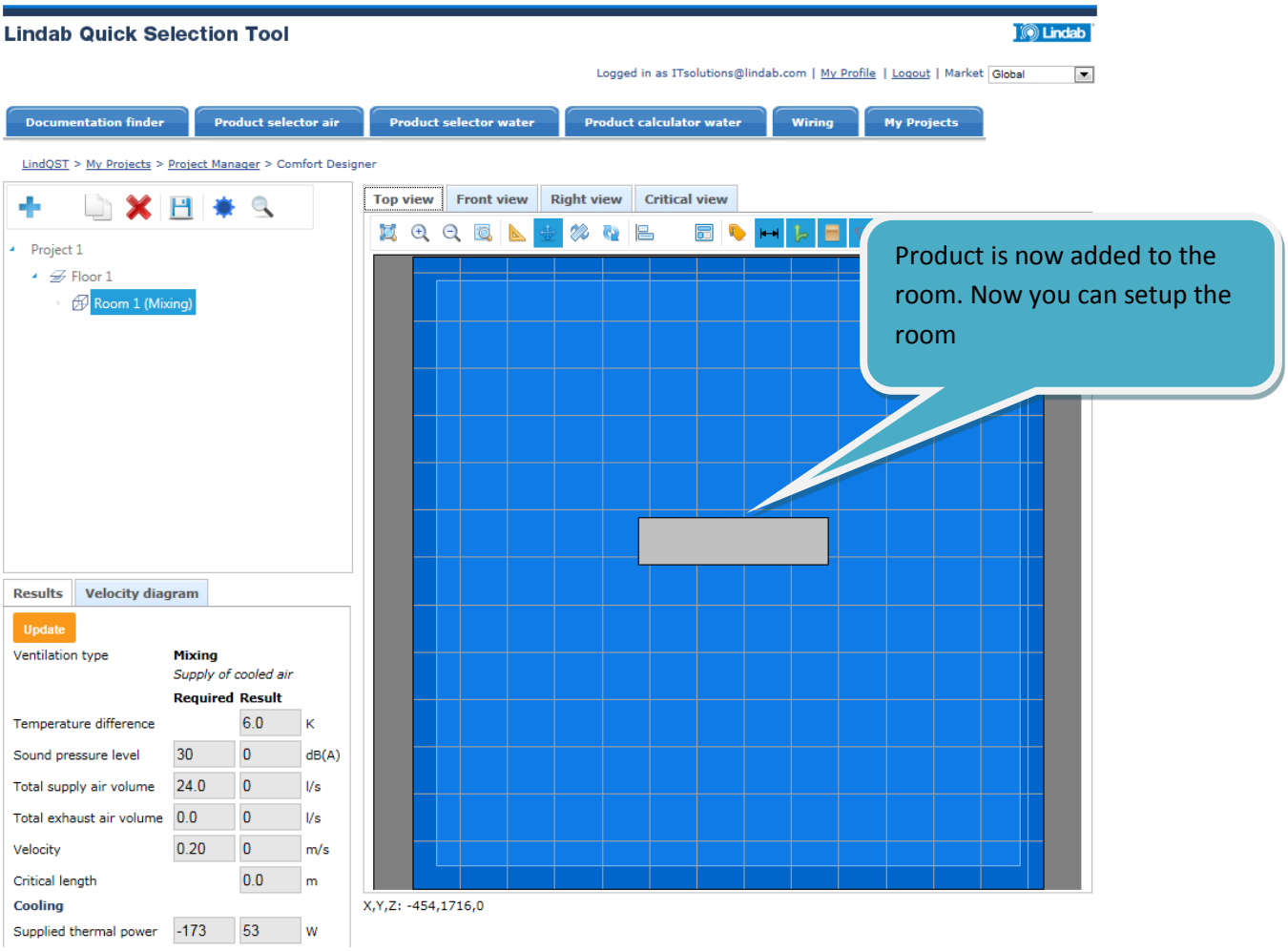
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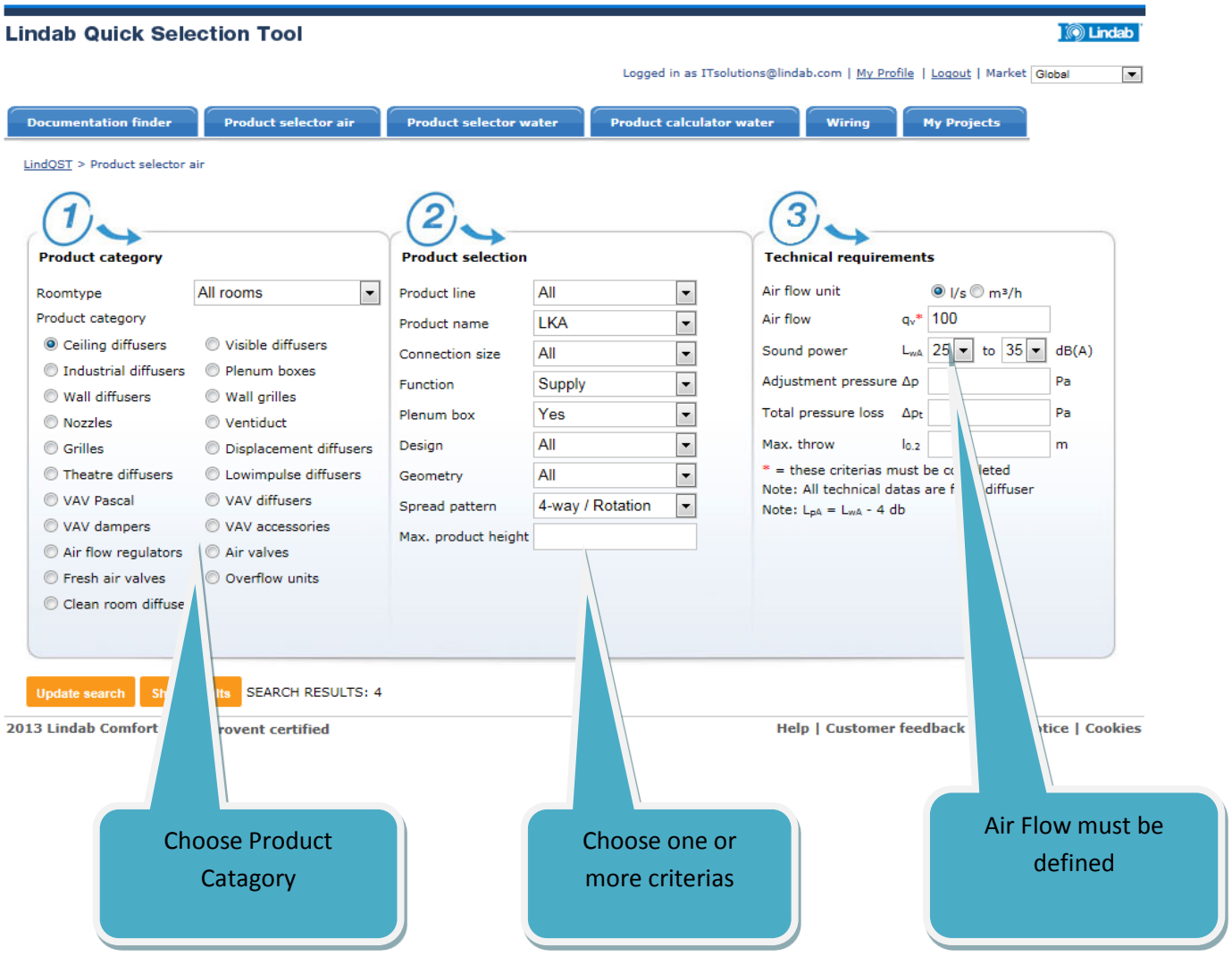
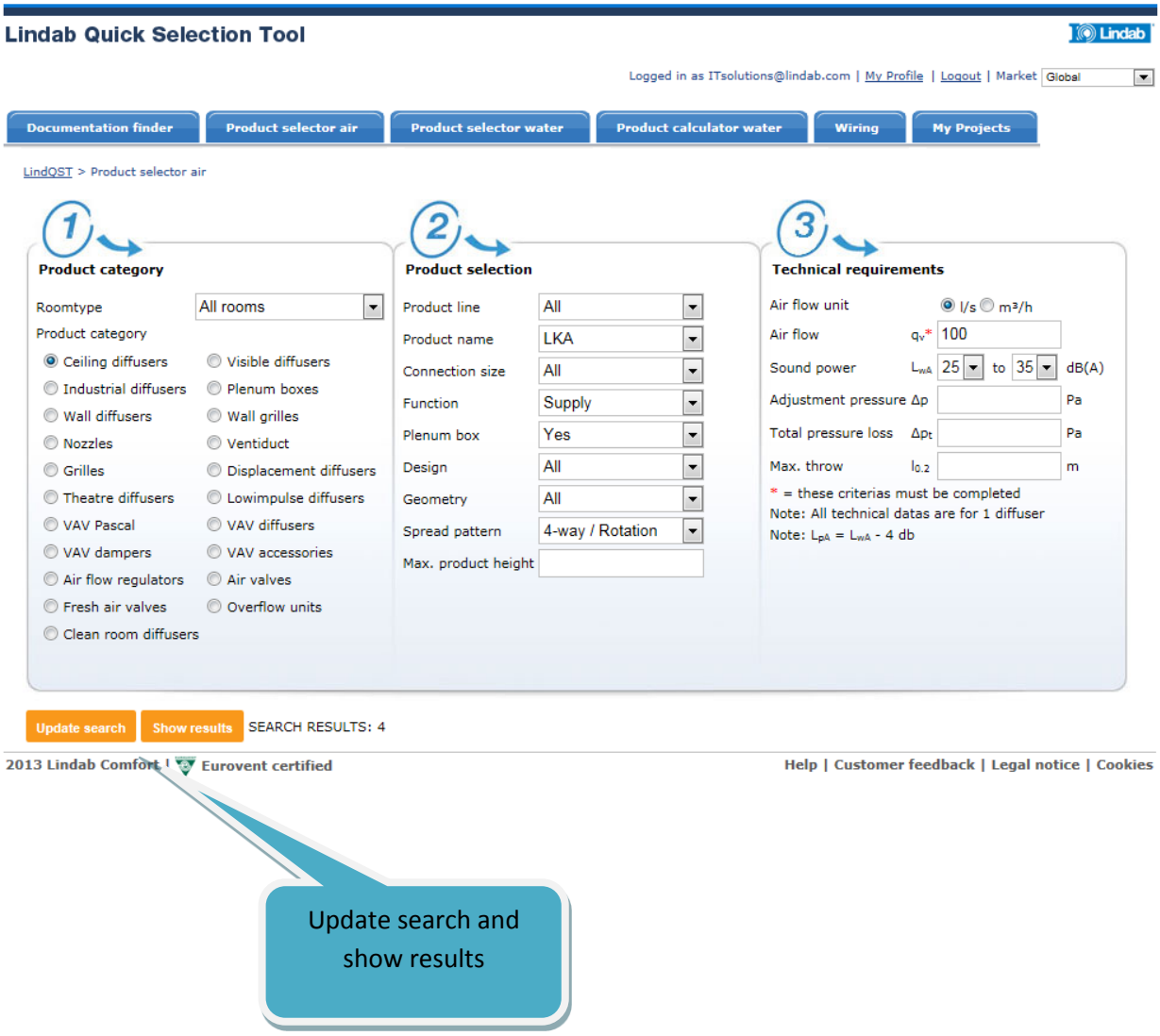
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager > Comfort Designer
Project 1
Floor 1
Room 1 (Mixing)
Top view
Front view
Right view
Critical view
Product is now added to the room. Now you can setup the room
Results
Velocity diagram
Update
Ventilation type
Mixing
Supply of cooled air
Required Result
Temperature difference 6.0 K
Sound pressure level 30 0 dB(A)
Total supply air volume 24.0 0 l/s
Total exhaust air volume 0.0 0 l/s
Velocity 0.20 0 m/s
Critical length 0.0 m
Cooling
Supplied thermal power -173 53 W
X,Y,Z: -454,1716,0

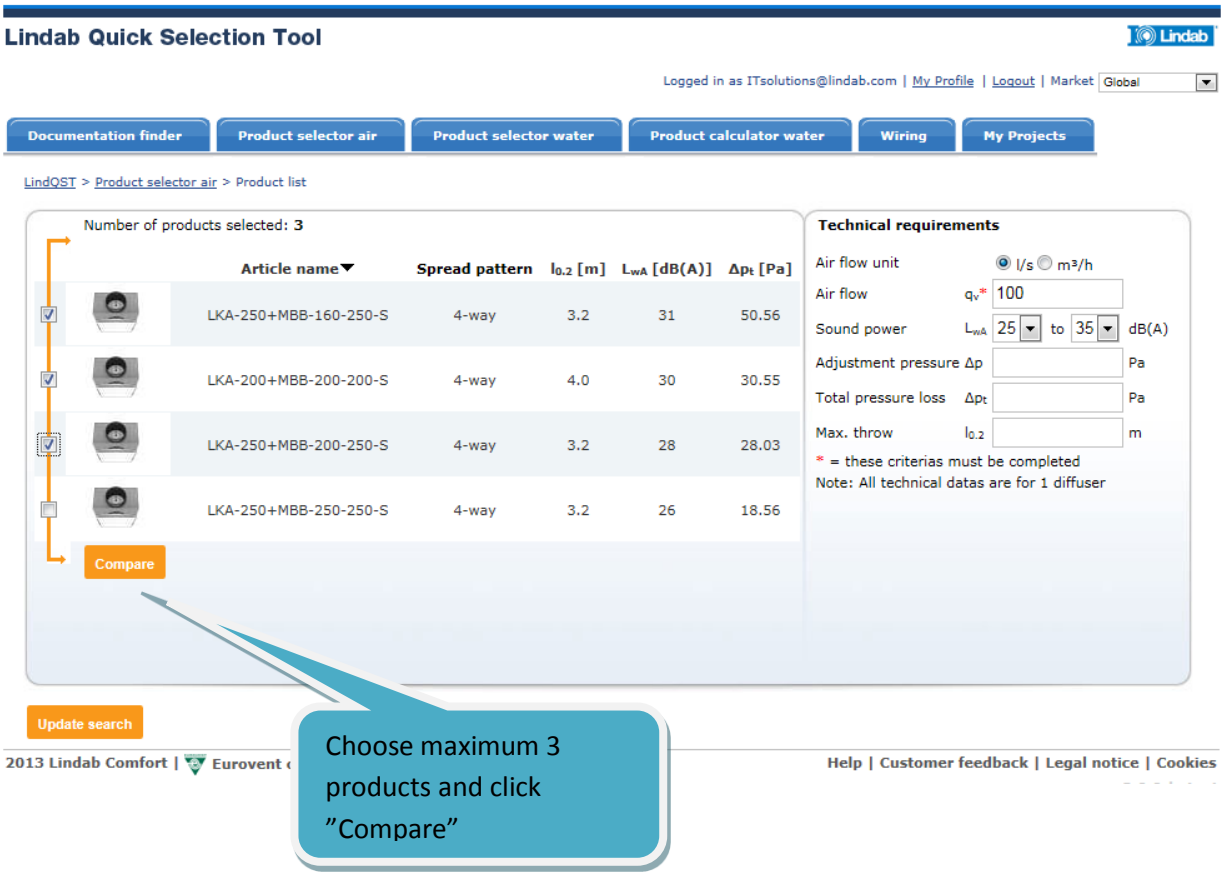
10 Compare products:

10.1 Product Selector Air:





Update search and show results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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector air > Product list
Number of products selected: 3
Article name
Spread pattern
l0.2 [m]
LwA [dB(A)]
Δpt [Pa]
LKA-250+MBB-160-250-S 4-way 3.2 31 50.56
LKA-200+MBB-200-200-S 4-way 4.0 30 30.55
LKA-250+MBB-200-250-S 4-way 3.2 28 28.03
LKA-250+MBB-250-250-S 4-way 3.2 26 18.56
Compare
Technical requirements
Air flow unit l/s m³/h
Air flow qv* 100
Sound power LwA 25 to 35 dB(A)
Adjustment pressure Δp Pa
Total pressure loss Δpt Pa
Max. throw l0.2 m
* = these criterias must be completed
Note: All technical datas are for 1 diffuser
Update search
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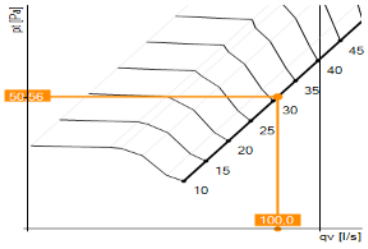
Help | Customer feedback | Legal notice | Cookies
Choose maximum 3 products and click ”Compare”

LKA-250+MBB-160-250-S
4-way

Technical data

Air flow	q_v*	100	l/s
Balancing pressure	Δp_t		Pa
Total pressure loss	Δp_t	50.56	Pa
Sound power	L_{wA}	31	dB(A)
Throw	$l_{0.2}$	3.2	m
Product height		239	mm

Diagram



Description

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.Suitable for both supply and exhaust airSuitable for the horizontal supply of cooled airHigh impulseOption of 1, 2 and 3-way supply air

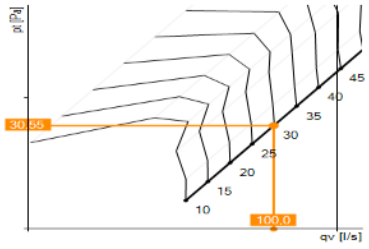
Select

LKA-200+MBB-200-200-S
4-way

Technical data

Air flow	q_v*	100	l/s
Balancing pressure	Δp_t		Pa
Total pressure loss	Δp_t	30.55	Pa
Sound power	L_{wA}	30	dB(A)
Throw	$l_{0.2}$	4.0	m
Product height		280	mm

Diagram



Description

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.Suitable for both supply and exhaust airSuitable for the horizontal supply of cooled airHigh impulseOption of 1, 2 and 3-way supply air

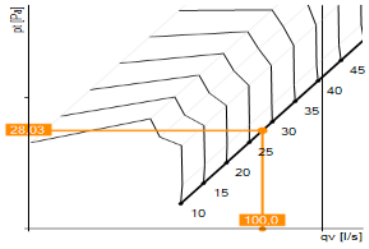
Select

LKA-250+MBB-200-250-S
4-way

Technical data

Air flow	q_v*	100	l/s
Balancing pressure	Δp_t		Pa
Total pressure loss	Δp_t	28.03	Pa
Sound power	L_{wA}	28	dB(A)
Throw	$l_{0.2}$	3.2	m
Product height		280	mm

Diagram



Description

LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.Suitable for both supply and exhaust airSuitable for the horizontal supply of cooled airHigh impulseOption of 1, 2 and 3-way supply air

Select

Choose one product and enter ”Select”

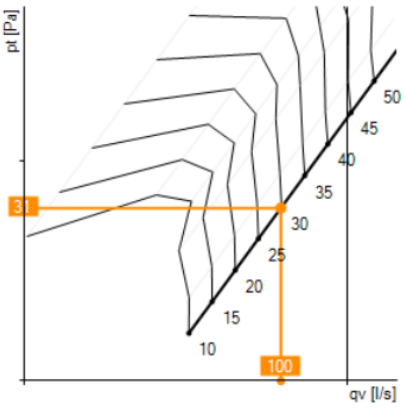
Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product selector air > Product list > Product page

LKA-200+MBB-200-200-S

4-way

Pressure and sound power diagram



Hz	63	125	250	500	1K	2K	4K	8K
K_{ok}	12	6	-1	-1	-5	-15	-21	-26
ΔL	14	11	8	15	21	18	20	18

Technical data

Air flow unit		l/s m³/h
Air flow	q_v*	100
Adjustment pressure	Δp	
Total pressure loss	$Δp_t$	31
Sound power	L_{wA}	30 dB(A)
Throw	$l_{0.2}$	4.0

* = these criterias must be completed

Note: All technical datas are for 1 diffuser

Description | Related documents

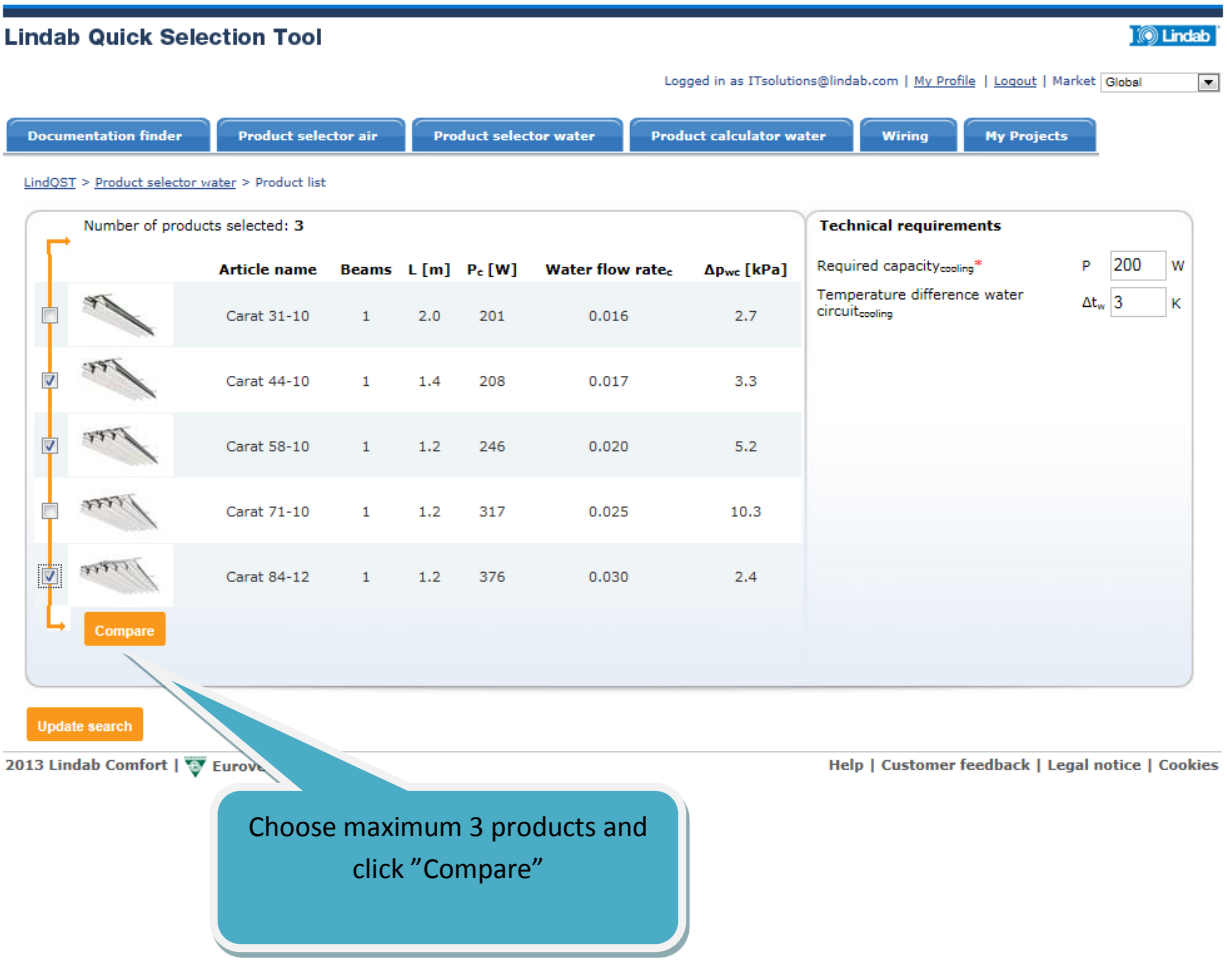
LKA is a square diffuser with an unperforated face plate that can be used for both supply and exhaust air. LKA is suitable for the horizontal supply of cooled air where a high impulse is required. It can be equipped with accessories of various types. Installing an LKA diffuser in a plenum box type MBB can help to achieve a stable airflow to the diffuser as well as realise the potential for individual adjustment.

- Suitable for both supply and exhaust air
- Suitable for the horizontal supply of cooled air
- High impulse
- Option of 1, 2 and 3-way supply air

Add to project | Generate PDF | Generate DXF

Now you can add the product to a project, generate a PDF-file or generate a DXF-file (CAD-File)

10.2 Product Selector Water: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Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product selector water > Product list
Number of products selected: 3
Article name Beams L [m] Pc [W] Water flow ratec Δpwc [kPa]
Carat 31-10 1 2.0 201 0.016 2.7
Carat 44-10 1 1.4 208 0.017 3.3
Carat 58-10 1 1.2 246 0.020 5.2
Carat 71-10 1 1.2 317 0.025 10.3
Carat 84-12 1 1.2 376 0.030 2.4
Compare
Technical requirements
Required capacity cooling* P 200 W
Temperature difference water circuit cooling Δtw 3 K
Update search
2013 Lindab Comfort | Eurov
Help | Customer feedback | Legal notice | Cookies
Choose maximum 3 products and click ”Compare”

Documentation finder | Product selector air | Product selector water | Product calculator water | Wiring | My Projects

LindQST > Product selector water > Product list > Product compare

Carat 44-10-1-1.4
None

Technical data

Temperature difference water circuit$_{cooling}$	Δt_w	3	K
Required capacity$_{cooling}$*	P	200	W

Result

Number of beams required		1	
Temp. difference between room air temp. and mean water temp.	Δt_{rw}	9.50	K
Nominal water capacity	P_{nom}	233	W
Water flow rate	q_w	0.017	l/s
Corrected water capacity	P_w	208	W
Total capacity / beam	P	208	W
Total Capacity	**P**	**208**	**W**
Pipe pressure drop loss	Δp_w	3.3	kPa
Water capacity / active meter		148.38	W/m

Description

Carat is placed above a perforated suspended ceiling and supplies cooling, with a low air velocity, to the room below. Carat has a high radiation quotient of approx. 35% (compared to approx. 5% for traditional finned products). This gives great freedom in placing, when installing Carat, yet keeps air velocities low.Carat can be used for cooling. It can be equipped with the Regula Connect condensation guard feature. It offers many possibilities and great flexibility. For example, it is possible to paint Carat any colour you want.High degree of radiant cooling – 35%Creates low air velocitiesLengths up to 6mCan be connected in seriesEurovent certified

Select

Carat 58-10-1-1.2
None

Technical data

Temperature difference water circuit$_{cooling}$	Δt_w	3	K
Required capacity$_{cooling}$*	P	200	W

Result

Number of beams required		1	
Temp. difference between room air temp. and mean water temp.	Δt_{rw}	9.50	K
Nominal water capacity	P_{nom}	260	W
Water flow rate	q_w	0.020	l/s
Corrected water capacity	P_w	246	W
Total capacity / beam	P	246	W
Total Capacity	**P**	**246**	**W**
Pipe pressure drop loss	Δp_w	5.2	kPa
Water capacity / active meter		205.33	W/m

Description

Carat is placed above a perforated suspended ceiling and supplies cooling, with a low air velocity, to the room below. Carat has a high radiation quotient of approx. 35% (compared to approx. 5% for traditional finned products). This gives great freedom in placing, when installing Carat, yet keeps air velocities low.Carat can be used for cooling. It can be equipped with the Regula Connect condensation guard feature. It offers many possibilities and great flexibility. For example, it is possible to paint Carat any colour you want.High degree of radiant cooling – 35%Creates low air velocitiesLengths up to 6mCan be connected in seriesEurovent certified

Select

Carat 84-12-1-1.2
None

Technical data

Temperature difference water circuit$_{cooling}$	Δt_w	3	K
Required capacity$_{cooling}$*	P	200	W

Result

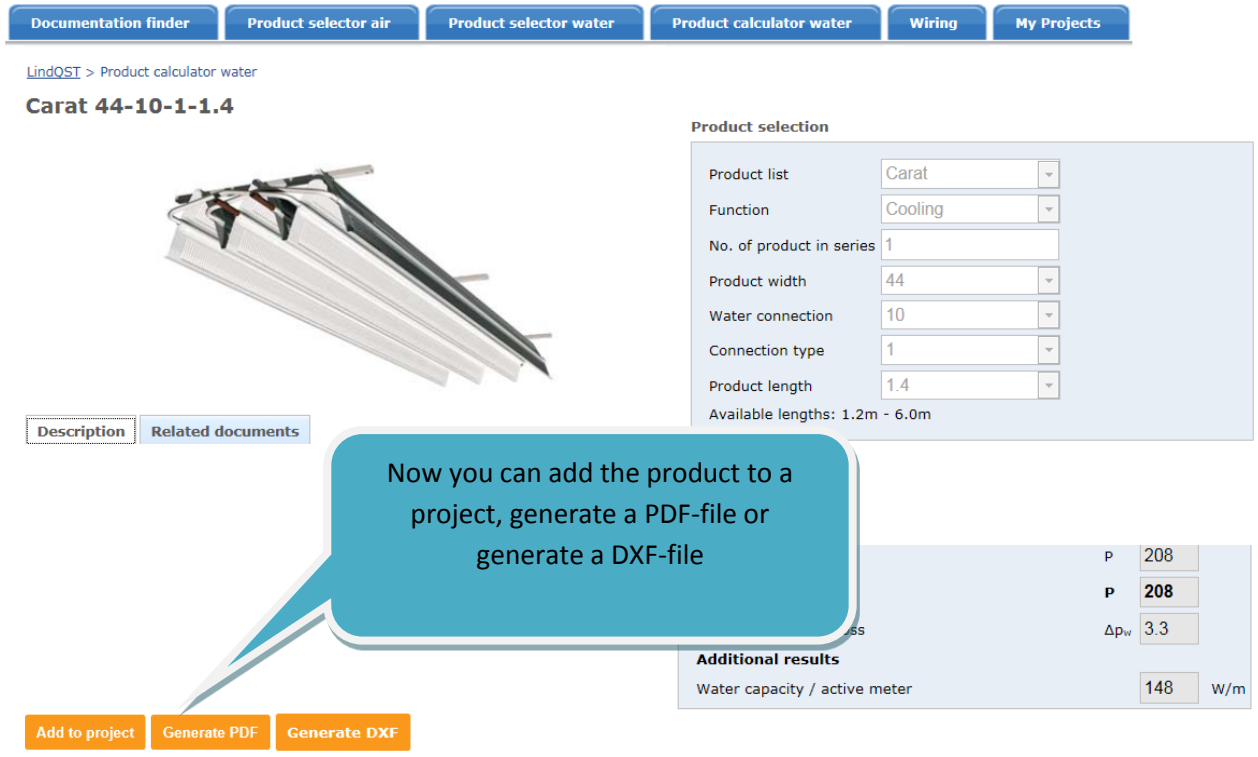
Number of beams required		1	
Temp. difference between room air temp. and mean water temp.	Δt_{rw}	9.50	K
Nominal water capacity	P_{nom}	370	W
Water flow rate	q_w	0.030	l/s
Corrected water capacity	P_w	376	W
Total capacity / beam	P	376	W
Total Capacity	**P**	**376**	**W**
Pipe pressure drop loss	Δp_w	2.4	kPa
Water capacity / active meter		313.43	W/m

Description

Carat is placed above a perforated suspended ceiling and supplies cooling, with a low air velocity, to the room below. Carat has a high radiation quotient of approx. 35% (compared to approx. 5% for traditional finned products). This gives great freedom in placing, when installing Carat, yet keeps air velocities low.Carat can be used for cooling. It can be equipped with the Regula Connect condensation guard feature. It offers many possibilities and great flexibility. For example, it is possible to paint Carat any colour you want.High degree of radiant cooling – 35%Creates low air velocitiesLengths up to 6mCan be connected in seriesEurovent certified

Select

Choose one product and enter ”Select”


Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Product calculator water
Carat 44-10-1-1.4
Product selection
Product list
Carat
Function
Cooling
No. of product in series
1
Product width
44
Water connection
10
Connection type
1
Product length
1.4
Available lengths: 1.2m - 6.0m
Description
Related documents
Now you can add the product to a project, generate a PDF-file or generate a DXF-file
P
208
P
208
Δpw
3.3
Additional results
Water capacity / active meter
148
W/m
Add to project
Generate PDF
Generate DXF
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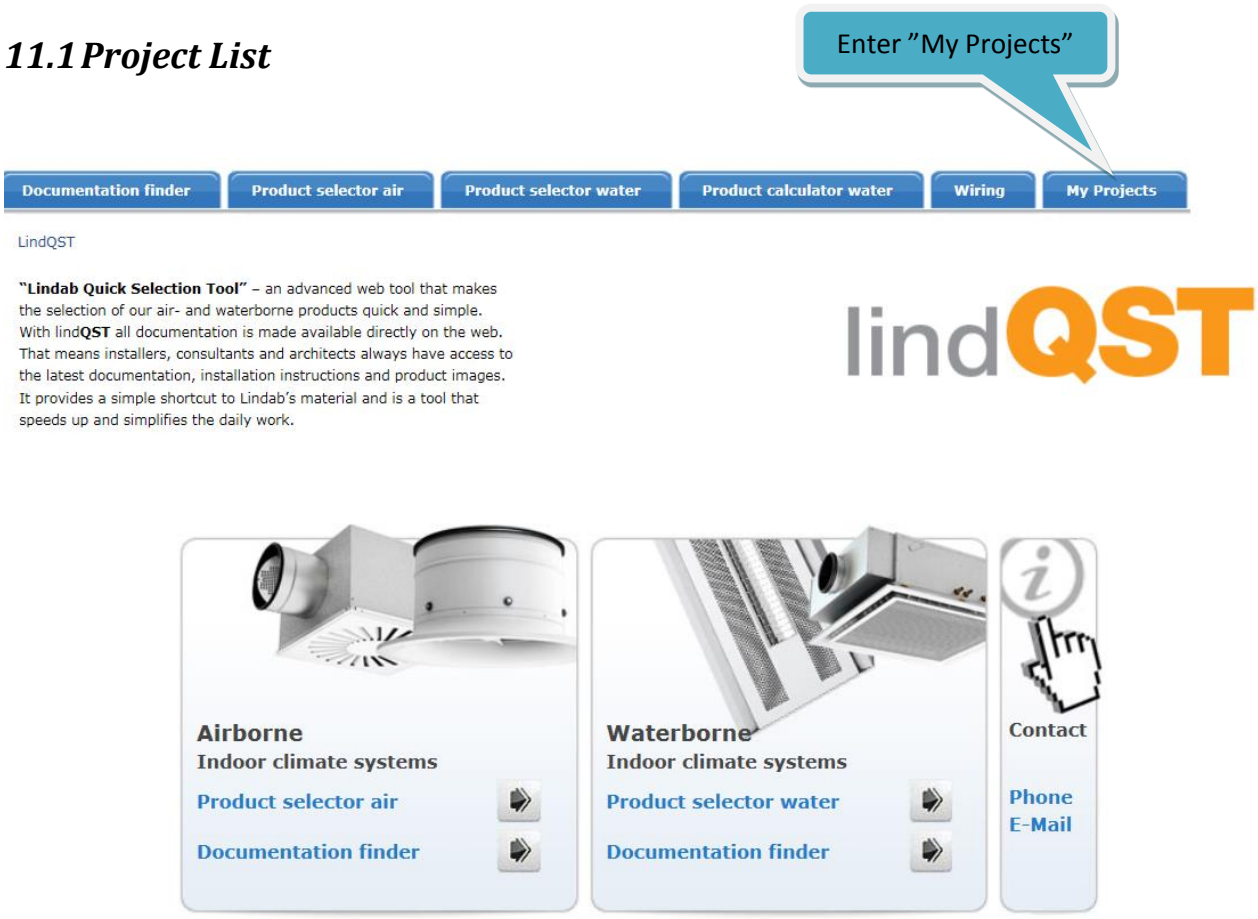
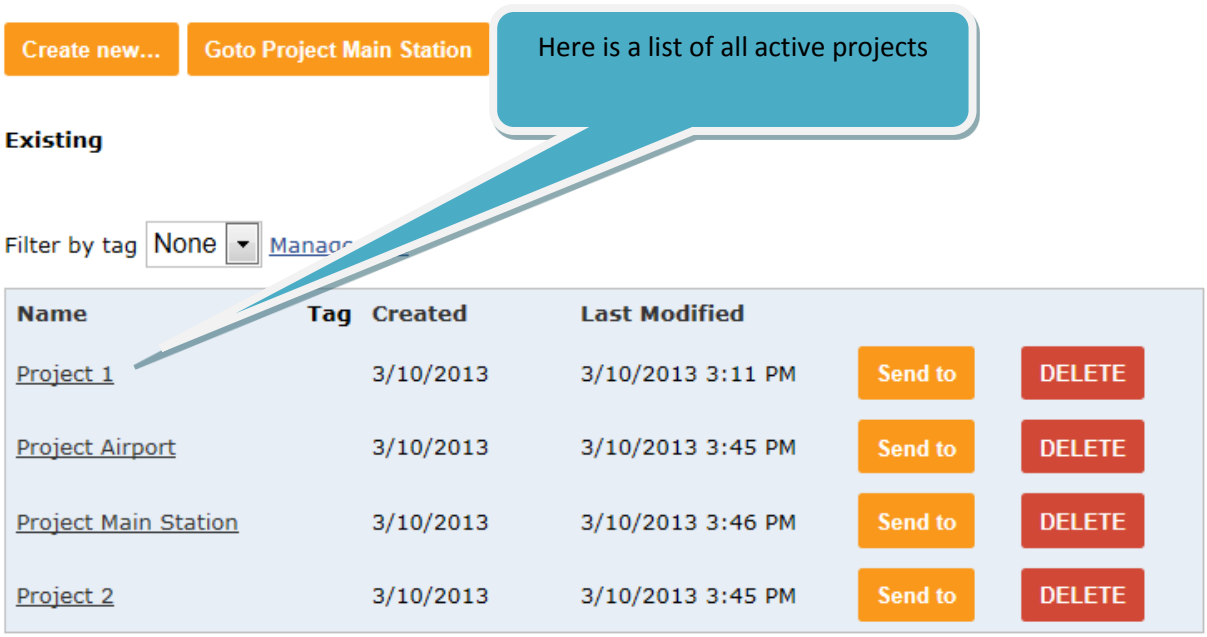
11 My Projects:

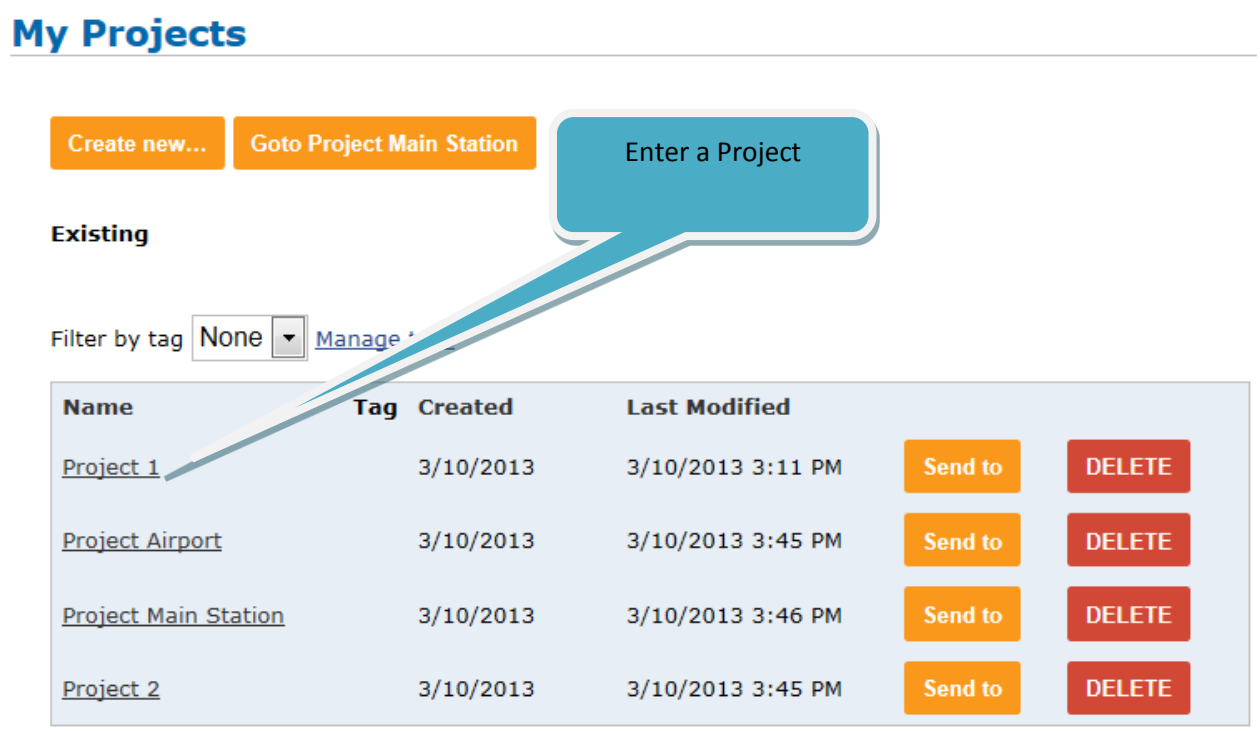
11.1 Project List

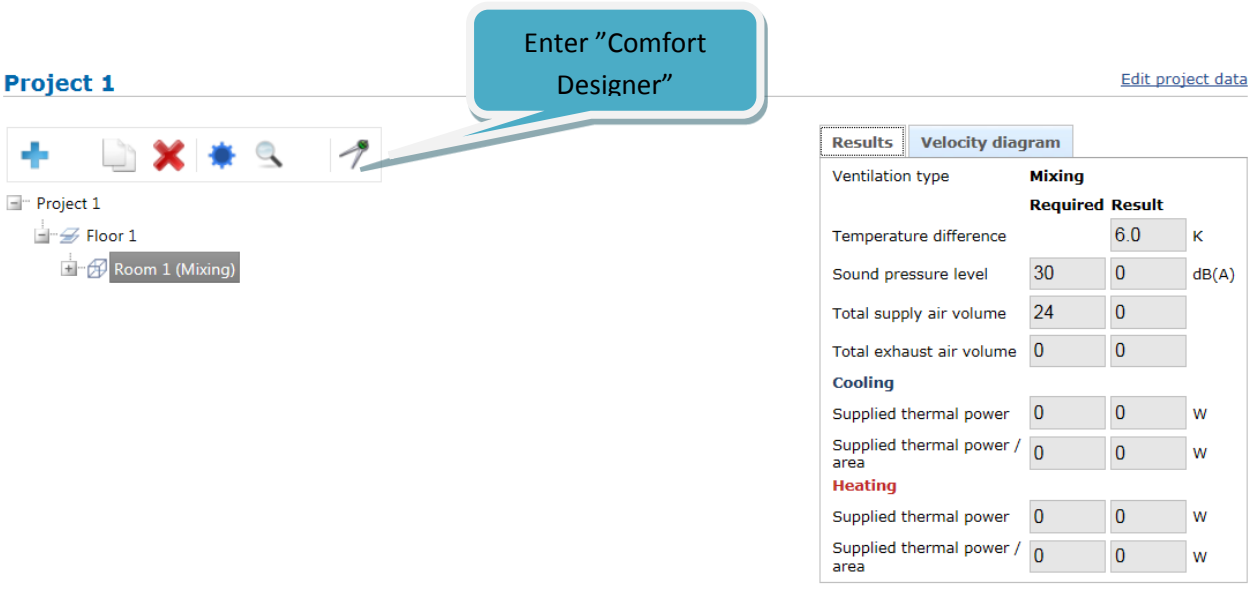

Enter ”My Projects”
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST
”Lindab Quick Selection Tool” – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab’s material and is a tool that speeds up and simplifies the daily work.
lindQST
Airborne
Indoor climate systems
Product selector air
Documentation finder
Waterborne
Indoor climate systems
Product selector water
Documentation finder
Contact
Phone
E-Mail

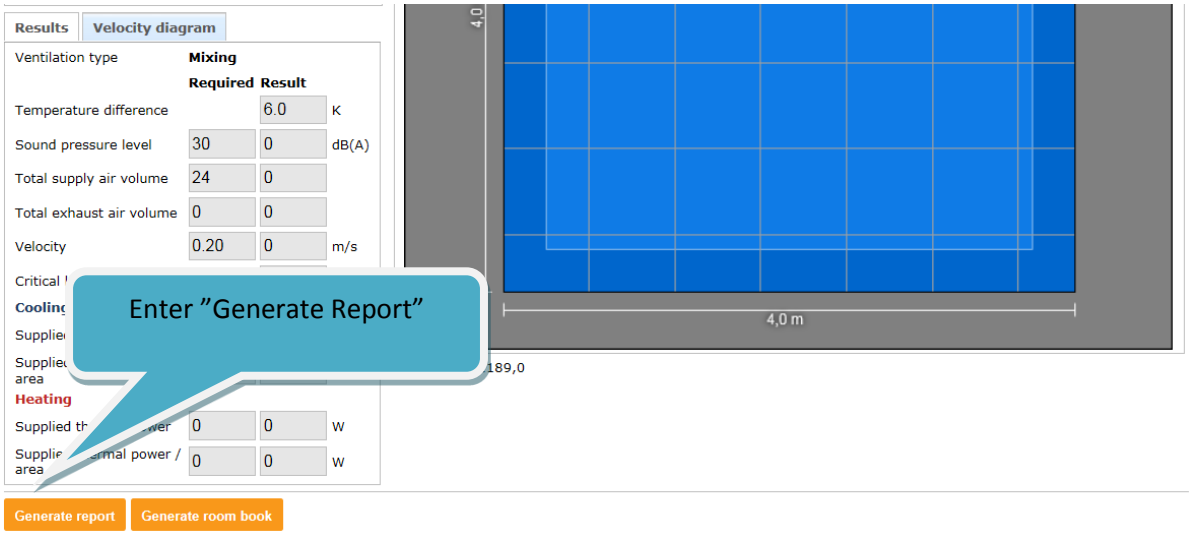
My Projects

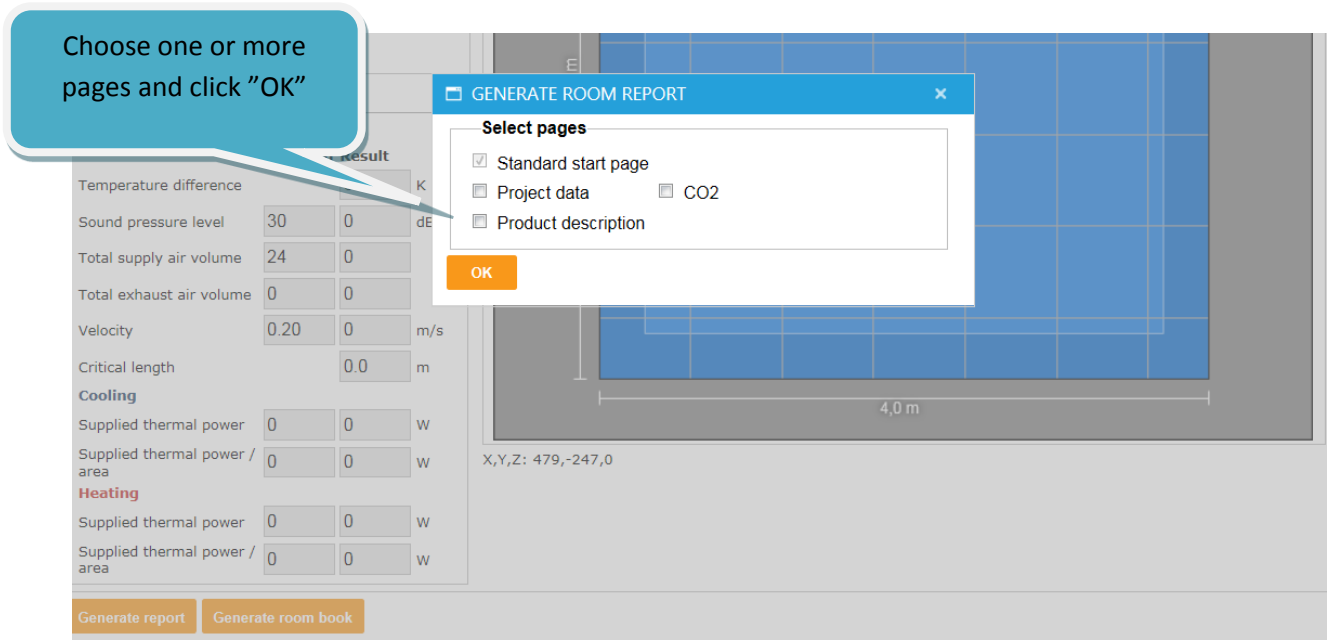

Create new...
Goto Project Main Station
Here is a list of all active projects
Existing
Filter by tag
None
Name
Tag
Created
Last Modified
Project 1
3/10/2013
3/10/2013 3:11 PM
Send to
DELETE
Project Airport
3/10/2013
3/10/2013 3:45 PM
Send to
DELETE
Project Main Station
3/10/2013
3/10/2013 3:46 PM
Send to
DELETE
Project 2
3/10/2013
3/10/2013 3:45 PM
Send to
DELETE

11.2 Print out Room report



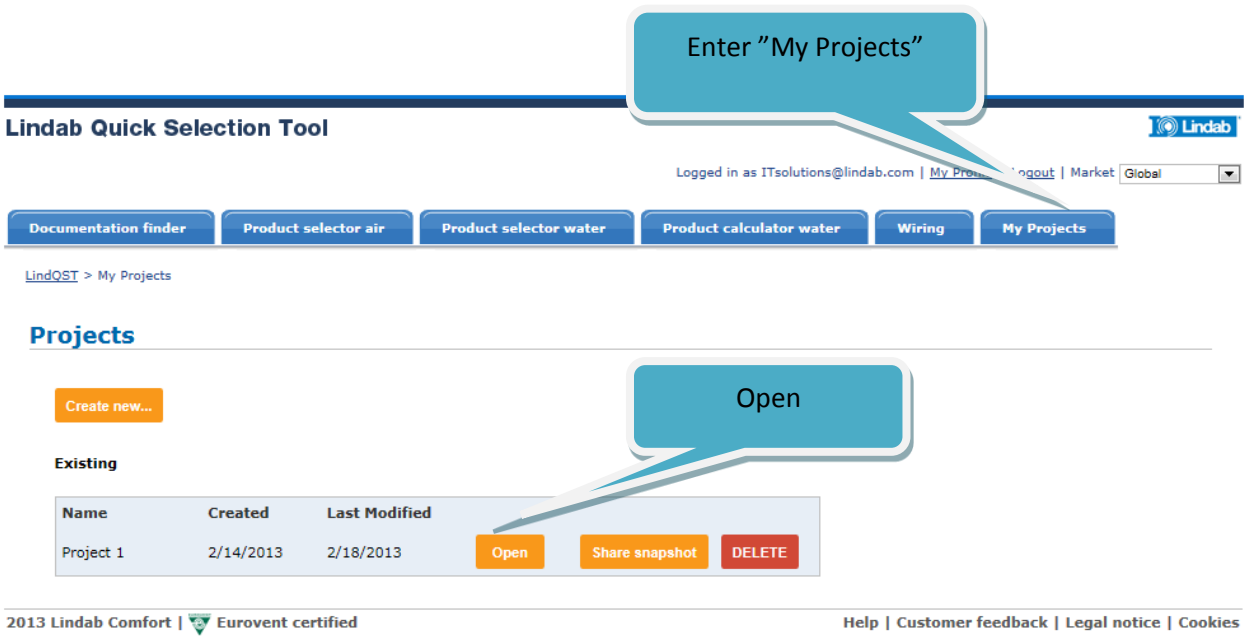


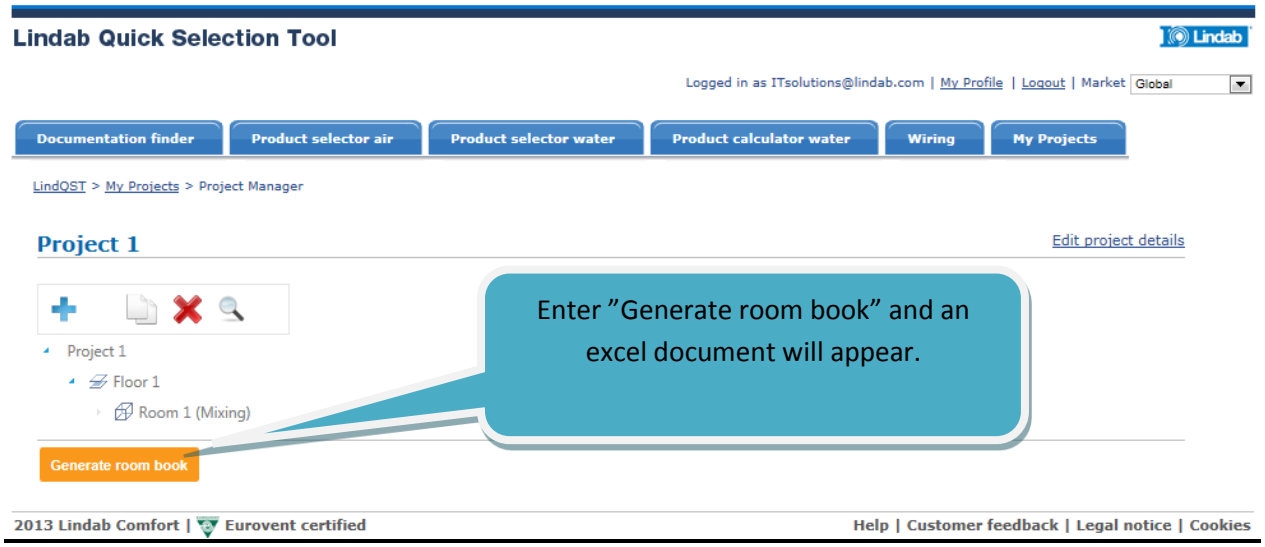

Results
Velocity diagram
Ventilation type
Mixing
Required Result
Temperature difference
6.0 K
Sound pressure level
30 0 dB(A)
Total supply air volume
24 0
Total exhaust air volume
0 0
Velocity
0.20 0 m/s
Heating
0 0 W
0 0 W
Enter ”Generate Report”
4,0 m
189,0
Generate report
Generate room book


Choose one or more pages and click ”OK”
GENERATE ROOM REPORT
Select pages
Standard start page
Project data
CO2
Product description
OK
Temperature difference
Sound pressure level
30 0
Total supply air volume
24 0
Total exhaust air volume
0 0
Velocity
0.20 0 m/s
Critical length
0.0 m
Cooling
Supplied thermal power
0 0 W
Supplied thermal power / area
0 0 W
Heating
Supplied thermal power
0 0 W
Supplied thermal power / area
0 0 W
4,0 m
X,Y,Z: 479,-247,0
Generate report
Generate room book

11.3 Create a room book:

Create a room book if you have a project with many Buildings, floors or rooms. It makes it easier and will help you to get a great overview of the project.




Lindab Quick Selection Tool
Logged in as ITsolutions@lindab.com | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > My Projects > Project Manager
Project 1
Edit project details
Project 1
Floor 1
Room 1 (Mixing)
Generate room book
Enter ”Generate room book” and an excel document will appear.
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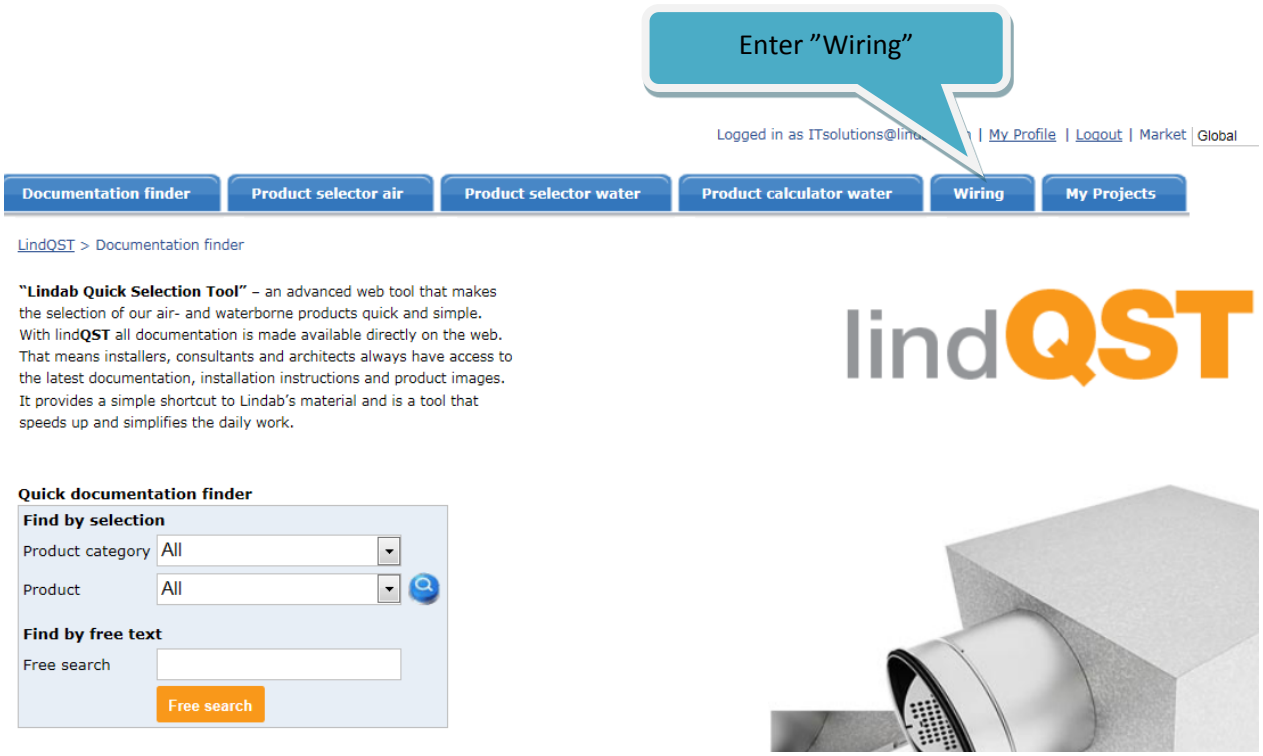
12 Wiring Schemes:

The Wiring scheme helps you to see how the regulation units are wired.

The example shows a Regula Combi connected to a water unit with a Regula connect card and actuator 24V


Enter ”Wiring”
Logged in as ITsolutions@lind | My Profile | Logout | Market Global
Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Documentation finder
”Lindab Quick Selection Tool” – an advanced web tool that makes the selection of our air- and waterborne products quick and simple. With lindQST all documentation is made available directly on the web. That means installers, consultants and architects always have access to the latest documentation, installation instructions and product images. It provides a simple shortcut to Lindab’s material and is a tool that speeds up and simplifies the daily work.
lindQST
Quick documentation finder
Find by selection
Product category All
Product All
Find by free text
Free search
Free search

Select a Regulation unit

Documentation find | water | Product calculator water | Wiring

LindQST > Wiring

Regulation unit

- (•) Regula Combi
- ( ) Regula Duo

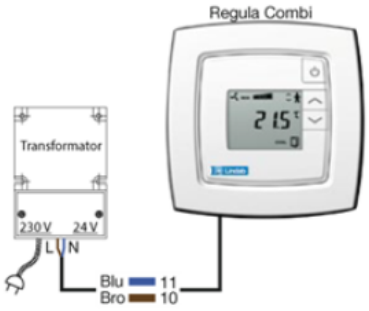
Select a program

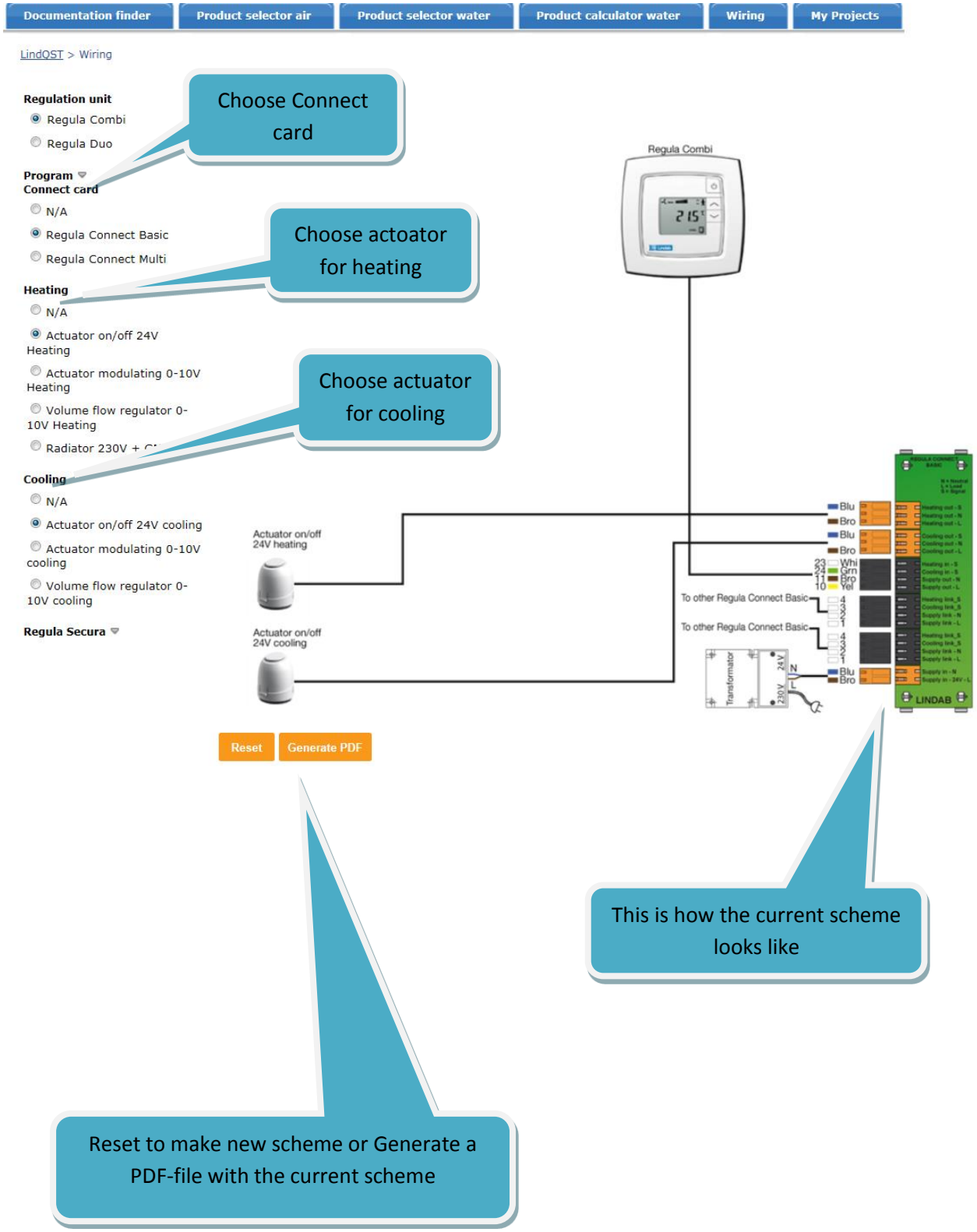
Program

- (•) Water
- ( ) VAV
- ( ) eHybrid
- ( ) Change Over Digital
- ( ) Change Over Sensor
- ( ) Pascal VAV Supply
- ( ) Pascal VAV Exhaust

Connect card

- ( ) N/A
- ( ) Regula Connect Basic
- ( ) Regula Connect Multi




Documentation finder
Product selector air
Product selector water
Product calculator water
Wiring
My Projects
LindQST > Wiring
Regulation unit
Regula Combi
Regula Duo
Program
Connect card
N/A
Regula Connect Basic
Regula Connect Multi
Heating
N/A
Actuator on/off 24V Heating
Actuator modulating 0-10V Heating
Volume flow regulator 0-10V Heating
Radiator 230V + Cl
Cooling
N/A
Actuator on/off 24V cooling
Actuator modulating 0-10V cooling
Volume flow regulator 0-10V cooling
Regula Secura
Choose Connect card
Choose actoator for heating
Choose actuator for cooling
Regula Combi
Actuator on/off 24V heating
Actuator on/off 24V cooling
To other Regula Connect Basic
To other Regula Connect Basic
Transformator
Blu
Bro
Whi
Grn
Yel
LINDAB
Reset
Generate PDF
This is how the current scheme looks like
Reset to make new scheme or Generate a PDF-file with the current scheme